

BUILDING MATERIAL

WATERPROOFING
&
SOLUTION

HEAT INSULATION
&
ENERGY SAVING

BONDING AGENT
&
POLYMERS

EPOXY FLOOR
&
COATING

DECORATIVE PAINTS
&
PRIMERS

ADMIXTURE
&
PLASTICIZER

CEMENTITIOUS
&
COATING



NEO

Neo Pack Plast (I) Pvt. Ltd.

ISO 9001:2015 certified co.

PRODUCT GUIDE

NEOPROOF LIQUID MEMBRANE TECHNOLOGY

WATERPROOFING SOLUTION

DESCRIPTION

NEOPROOF range of products are single part, high quality, pollution free Waterproof Membrane Coating. This range includes products based on Synthetic Resins / Superior Hybrid Polymers / Elastomeric compound / Acrylic resins & Polymer either standalone or in suitable combination. They differ from other conventional waterproof coating due to its excellent flexibility & superior UV resistance. Their thixotropic nature make them ideal for use on both horizontal & vertical surfaces. The coating accommodates limited crack movement in underlying surfaces and bonds excellently to most building material thus becoming a part of concrete repair. The coating is available in WHITE / BLACK / GREY colour. White coating offers added benefit of High Solar Reflectivity.

USAGE GUIDELINES

Prepare surfaces clean, free from dirt, gravel, dust and oil. Ensure that Concrete & Cementitious substrates are well compacted & cured, with trowelled finish, dry & smooth. Remove rust / contamination in case of metal. Remove traces, loose areas of past treatment. Any blisters must be cut & be filled. Masonry joints must be flush jointed. Apply primer first & then proceed for multiple coats, each at right angles to previous coat for higher DFT. A separation layer of polyethylene, Kraft paper or similar should be placed on membrane before topping with sand cement screed or tiles of 4 to 5 cm thickness. Reinforce with Glass Fibre Mesh (Embedded into 1st Coat while it is still wet) for better results. All detailing to pipes, up stands, drains etc. should be mesh reinforced.

Apply by Standard roofing brooms, brushes, squeegees or airless spray equipment. Check viscosity to ensure smooth spray of the product. Allow full curing of each coat (ideal recoating interval is 24 hrs at 25°C & 65% RH) before applying next coat.

All **NEOPROOF** products are water dilutable. Refer Dilution ratio of each product before use.

APPLICATION AREAS

Finds extensive use as a waterproof membrane for roof slabs, terraces, balconies, sun shades, parapet walls, PU foam slabs, polyester built up roofs, maintenance of existing roofs, masonry and concrete walls, sunk portions in bathroom, basements, bridges, decks, metal surfaces etc. Also used as a protective coating to concrete, asphalt & bitumen, cement sheet, slates and tiles, zinc, timber surfaces etc. Provides additional waterproofing & protection when used as base or intermediate coat in brickbat coba / IPS flooring.

PRECAUTIONS & LIMITATIONS

- Do not apply in direct sunlight / during rains and when ambient temperature is < 10°C or > 40°C.
- Dilute with potable water and follow dilution ratio. Not to store diluted material.
- Never apply succeeding coats before full drying of previous coat. Do not mix 2 products together.
- As with any chemical, exercise safe working practise and follow health & safety instructions in datasheet.



PRODUCT GRADES

APPEARANCE & COLOUR

NVM % (ASTM D 1475-03)

VISCOSITY (POISE) SP. NO 4/7, RPM:10/20@ 25°C

SP. GRAVITY-ASTM-D 1644-03

DRYING TIME @ 25°C (ASTM D 1540-03)

CURING TIME (@ 20°C 50% RH)

HARDNESS (SHORE A) (ASTM-D 2240-05)

ELONGATION (ASTM-D 2370-98)

WATER VAPOR TRANSM'N ASTM E 96-95; G/HR-M²

WATER PERMEABILITY

TENSILE STRENGTH N/MM² (ASTM-D 412-98 A)

ADHESION STRENGTH N/MM² ASTM-D903-98

PULL OUT TEST N/MM² BS-1881:PART 207:1992

UV RESISTIVITY

CHEMICAL RESISTANCE

INSULATION PROPERTIES

TEMP. RESISTANCE ASTM D 2485-91 (2013)

FLAMMABILITY - DRIED FILM

PACK SIZE IN KG

BRIEF

PRODUCT

INFORMATION

DILUTION RATIO				COVERAGE & DFT
PRODUCT	PRIMER	1 st COAT	2 nd COAT	
RC 200	5:2	Upto 25%	Upto 15%	25-30 sq. ft per kg per coat. 2 coats will give DFT of approx 200-300 microns.
RC 202	1:1	Upto 20%	Upto 20%	40-50 sq. ft in Metals ; 30-40 sq. ft in Asbestos & 25-30 sq. ft in Concrete per kg per coat. 2 coats will give DFT of approx 200-300 microns.
RC 203 / RC 210	5:2	Upto 20%	Upto 10%	25-35 sq. ft per kg per coat. 2 coats will give DFT of approx 300 microns.
WC 201	5:2	Undiluted (if reqd. 5-10%)		20-25 sq. ft per kg for 2 coat application. 2 coats of application should generally return DFT of approx 100-150 microns.
RC 555	1:1	Upto 20%	Undiluted	50-60 sq. ft in Metals ; 35-40 sq. ft in Asbestos & 30-35 sq. ft in Concrete per kg per coat depending on surface porosities. Primer & 2 coats will give DFT of approx 300-400 microns.
RC 205	1:3	Undiluted (Can be mixed with water & cement in the ratio of 1:2:3 or 5)		50-60 sq. ft / kg depending on micro porosities of the surfaces.

STORAGE & SHELF LIFE

Store away from sunlight and preferably below 30°C. Storage should be protected from frost. Shelf life is 12 months from date of manufacturing in an unopened container.

CLEANING

Clean all tools immediately with water. Use hand cleaner followed by soap for hands.

- Single Component, Cold Applied Coating
- Seamless, Tough & Highly Elastic Rubber like Membrane
- Unique additives added to make it durable
- Excellent Anti Fungal & Anti bacterial properties
- Non Toxic & User friendly
- High Solar Reflectivity & Low Heat Transfer

- Requires no mixing or heating, saves labour costs
- Withstands expansion / contraction & resists crack.
- Highly resistant to oxidation, UV & ozone.
- Forms a impervious & waterproof blanket.
- Ensures durable bond, Resists peeling, chipping & lasts longer.
- Eliminates costly forms of other roofing system.



RC 200 HIGH QUALITY WATERPROOFING MEMBRANE	RC 202 RUBBERIZED ELASTOMERIC WATERPROOF COATING	WC 201 SUPERIOR WATERPROOF CUM COLOUR COATING	RC 203 SELF LEVELLING ROOF COATING	RC 205 MULTIPURPOSE POLYMER WATERPROOF COATING	RC 210 HIGH QUALITY WATERPROOFING MEMBRANE COLOUR COATING	RC 555 BRONZE FLEX SUPERIOR MEMBRANE COATING
White Viscous Liquid	Smooth Black Thick Paste	White / Grey Viscous Liquid	Extra White Viscous Liquid	Free Flowing Milky White Liquid	High Viscous Liquid in Terracotta, Blue, Custom Colours	Lustrous Smooth Bronze Coloured Thick Paste
63 ± 5	55 ± 5	60 ± 5	58 ± 5	36 ± 5	63 ± 5	55 ± 5
600 ± 100 thixotropic	700 ± 100	650 ± 100 thixotropic	600 ± 100	17 ± 5	600 ± 100	800 ± 100
1.30 ± 0.10	0.95 ± 0.10	1.35 ± 0.10	1.35 ± 0.10	1.0 ± 0.05	1.30 ± 0.10	0.99 ± 0.02
2 hrs (Approx.)	10-20 minutes (Approx.)	20-30 minutes (Approx.)	2 hrs (Approx.)	10-20 minutes (Approx.)	2 hrs (Approx.)	60 minutes (Approx.)
48 hrs	10-12 hrs (approx)	8-10 hrs (Approx)	10-12 hrs (Approx.)	3-5 hrs	48 hrs	10-12 hrs (Approx.)
55 ± 5	NA	NA	58 ± 5	NA	55 ± 5	NA
> 300% - at break	> 800%	NA	> 200%	NA	> 300% - at break	> 800%
0.97	0.46	NA	1.525	0.46	0.97	0.15
Almost Nil	Almost Nil	Almost Nil	Almost Nil	Almost Nil	Almost Nil	Almost Nil
1.99	0.51	NA	0.912	0.51	1.99	0.6
66	Good	NA	NA	NA	66	Good
2.704	NA	NA	NA	NA	2.704	NA
Excellent	NA	Good	> 10000 Hr no color fade / deterioration	NA	Excellent	Good
Good	Resists Acid / Alkali / Salts	Good	Good	Resists Acid / Alkali / Salts	Good	Resists Acid / Alkali / Salts
Good	NA	Good	Good	NA	Good in Lighter shades	NA
Approx. -30°C to +100°C	No Shrink / brittleness after 24 hrs @120°C	Approx. -30°C to +100°C	Approx. -5°C to +100°C	No Shrink / brittleness after 24 hrs @120°C	Approx. -30°C to +100°C	No Shrink / brittleness after 24 hrs @120°C
Non Flammable	Non Flammable	Non Flammable	Non Flammable	Non Flammable	Non Flammable	Non Flammable
1/5/10/20/200	1/4/10/20/200	1/5/10/20/200	10/20/200	1/5/10/20/200	10/20/200	10/20/200
A perfect Roof Coating recommended for all exposed application. Being thixotropic it is ideal for use on both horizontal & vertical surfaces. Offers a combo of Flexibility & Durability. As a Top Coat, it offers superior UV resistance & Solar reflectivity.	A rubberized elastomeric high elongation coating. Has a great capacity to bridge cracks. Recommended for sandwich applications - roof garden, sunk portion etc. Preferably applied as a base coat. Use of suitable thinner for cleaning is required.	A waterproofing coat for external walls. Recommended for Vertical applications only. Can be a top coat itself or can be over coated with compatible NEO's Exterior Emulsion Paints. As a Top Coat, it offers triple benefits: Waterproofing Protection, Enhances Aesthetic appearance & gives cooling effect to Interiors.	A Self Levelling Roof Coating recommended for horizontal application only. Dazzling White in Colour, the coating offers superior UV resistance & Solar reflectivity. Repels Dust & hence retains aesthetic look longer. Gives high water repellency.	A Multipurpose Polymer Coating with high tack. On its own it forms a clear transparent coating. Used as a Safe Primer, Good Concrete Sealer. Product can be used in combination with Cement & Water to make a Flexible Cementitious Coating. Useful in RCC tank application.	A customised Roof Coating in Special colours and is ideal for both Horizontal & Vertical use. The product is tinted with compatible & optimized colours. Hence it has good durability & does not fade off. Finds use where aesthetic is required together with waterproofing.	A hybrid technology product produced by a blend of special resins, rubber & polymers. Its coating is tough & highly flexible. The product has excellent durability on exposed, water immersed condition etc. Its coating gives a very attractive lustrous finish. Ensure that top coat is undiluted.

NEOPROOF LIQUID MEMBRANE TECHNOLOGY

HEAT INSULATION & ENERGY SAVING

DESCRIPTION

NEOPROOF Thermal Insulation products are one part , cold applied, durable membrane coating. They are based on Synthetic Resins / Polymer either standalone or in combination along with special additives for enhancing solar reflectivity & weather durability. This range has products designed for 2 categories - 1) Thermal Insulation of HVAC Duct Assembly. 2) Insulation of Roofs. The coating offers multipurpose features of Heat Reduction & Waterproofing in one shot. The products are tough, flexible & possess superior UV resistance. The coating bonds excellently to most building material as well as materials used in HVAC Duct Assembly like mineral wool, glass fibre, Polystyrene and polyurethane foam. The Roof coating products being high on Solar Reflectivity, reflects most of Sun's heat back to atmosphere as such preventing thermal degradation of the coated substrates .

USAGE GUIDELINES

Prepare surfaces clean, free from dirt, gravel, oil, grease etc. Ensure Concrete & Cementitious substrates are well compacted & cured, with trowelled finish, dry & smooth. Remove rust / contamination in case of metal. Cracks if any need to be repaired with NEOCRETE BA 300 modified mortar. Apply primer first & then proceed for 1st and 2nd coats. Add additional coats to build higher DFT. Apply by brushes, roller or airless spray equipment. Check viscosity to ensure smooth spray of the product. Allow a gap of 6-8 hours between coats and post application allow for 7 days to for complete curing .Thermal Insulation Products yield best results when applied DFT of film > 800 microns.

Duct Coating Products - Apply a tack coat @ 4 to 6 m² per litre and then embed immediately the selected lagging fabric smoothly in to the wet coating. Apply 2 finish coat of product @ 5 to 6 m² / litre. The dry film thickness will vary with fabric selected.

All **NEOPROOF** Thermal Insulation products are water dilutable. Refer Dilution ratio of each product before use.

APPLICATION AREAS

For Heat insulation & waterproofing of roof slabs, terraces, balconies, sun shades, parapet walls, concrete walls, exterior masonry surfaces etc . Also used as a protective coating to concrete, asphalt & bitumen, cement sheet etc. In Duct assembly finds use for Internal and External HVAC duct, ASJ, FRK & FSK jackets and board facings to give a vapor barrier seal at joints, laps, and weld pin punctures. It is used for sealing and fitting, piping, vessel ducts and equipment operating between 0°C and ambient temperature. It is used to arrest air erosions in duct insulation joints.

PRECAUTIONS & LIMITATIONS

- Do not apply in direct sunlight or during rains and when ambient temperature is < 10°C or > 40°C.
- Dilute with potable water and follow dilution ratio. Not to store diluted material.
- Never apply succeeding coats before full drying of previous coat. Do not mix 2 products together.
- As with any chemical, exercise safe working practise and follow health & safety instructions in datasheet.



PRODUCT GRADES

APPEARANCE & COLOUR

SPECIFIC GRAVITY

SOLID CONTENT %

ELONGATION AT BREAK

VISCOSITY (SPINDLE NO: 7; RPM : 10 @ 25° C

TENSILE STRENGTH N / MM²

ADHESION STRENGTH, N / MM²

HARDNESS SHORE A

UV RESISTANCE

THERMAL CONDUCTIVITY @20° C; W/ M C

SOLAR REFLECTANCE INDEX (SRI)

RESISTANCE TO TEMPERATURE

FLAMMABILITY

WATER VAPOR TRANSMISSION G / H-M2

CURING TIME @ 35°C

DRYING / BONDING TIME @ 25°C

CHEMICAL RESISTANCE / INSULATION PROPERTIES

CURED FILM

SURFACE BURNING CHARACTERISTICS

WATER PERMEABILITY

BRIEF PRODUCT INFORMATION

DILUTION RATIO

COVERAGE & DFT

PRODUCT	PRIMER	1 st COAT	2 nd COAT	
IC 222	5:2	Upto 15 %	Undiluted	25-30 sq. ft per kg per coat. 2 coats should generally return DFT of approx 200-300 microns.
SUN BLOK	5:2	Upto 15 %	Undiluted	25-30 sq. ft per kg/coat. 2 coats will give DFT of approx 200-300 microns. For best results apply additional coats to get minimum of 800-1000 microns.
DC 30 36	5:2	Upto 20%	Upto 10%	40-60 sq. ft per litre per coat @ DFT of approx 150-200 microns
DC 95	5:2	Undiluted (if reqd. 5-10%)		The wet coverage is approximate 4 to 5 m ² per litre per coat for smooth & non porous surfaces. Porous or rough surfaces will reduce the coverage.
BC 1000	5:2	Upto 20%	Undiluted	30-35 sq. ft per litre per coat (Depending upon method of application)

STORAGE & SHELF LIFE

Store away from sunlight and preferably below 30°C. Storage should be protected from frost. Shelf life is 12 months from date of manufacturing in an unopened container.

CLEANING

Clean all tools immediately with water. Use hand cleaner followed by soap for hands.

- Single Component, Cold Applied Coating, Seamless.
- Tough & Highly Elastic Rubber like Membrane.
- Unique additives added to make it durable.
- Excellent Anti Fungal & Anti bacterial properties.
- Non Toxic & User friendly.
- High Solar Reflectivity & Low Heat Transfer.

- Requires no mixing or heating, saves labor costs.
- Withstands expansion/contraction & resists crack.
- Prevents substrates from thermal degradation. UV & ozone.
- Resists fungus growth, maintains hygiene & aesthetics.
- Water based safe system with no hazards.
- Lowers surface temperature & gives cooling effect to interiors.



IC 222 WATERPROOFING CUM INSULATING ROOF COATING	SUN BLOK CHILL CHILL COATING	DC 30 36 THERMAL INSULATION DUCT COATING	DC 95 VAPOUR BARRIER CANVAS COATING	BC 1000 BITUMINOUS ADHESIVE CUM COATING
Viscous Liquid White Liquid	Viscous White Liquid Lighter Shades	White Thixotropic Like Paste	White Thixotropic like paste	Viscous Black Paste
1.35 ± 0.10 (ASTM D 1644-03)	1.30 ± 0.10 (ASTM D 1644-03)	1.3 ± 0.05 (As per guidelines of ASTM 1475-98)	1.3 ± 0.1 (As per guidelines of ASTM 1475-98)	1.2 ± 0.03 (As per guidelines of ASTM 1475-98)
63 ± 5 (ASTM D 1475-03)	60 ± 5 (ASTM D 1475-03)	60 ± 5 (As per guidelines of ASTM D 1644-01)	58 ± 5 (As per guidelines of ASTM D 1644-01)	50 ± 5 (As per guidelines of ASTM D 1644-01)
> 300 % (ASTM - D 2370-98)	> 300 % (ASTM - D 2370-98)	NA	NA	NA
60000 - 70000 CPS (thixotropic)	50000 - 70000 CPS (thixotropic)	25000 to 50000 cps (thixotropic)	30000 to 65000 cps (thixotropic)	25000 to 35000 cps (thixotropic)
1.99 (ASTM - D 412-98A)	1.4 (ASTM - D 412-98A)	NA	NA	NA
66.00 (ASTM - D 903-98)	65 ± 5 (ASTM - D 903-98)	Good to Duct Substrates & Liners	NA	Good to Duct Substrates & Liners
55 ± 5 (ASTM - D 2240-05)	55 ± 5 (ASTM - D 2240-05)	NA	NA	NA
10,000 hrs No deterioration or color fade. (ASTM D 822)	10,000 hrs No deterioration or color fade. (ASTM D 822)	Excellent	Excellent	Excellent
< 0.1 (ASTM E 1125-04)	0.08 (ASTM E 1125-04)	NA	NA	NA
110 (ASTM E 1980)	121 (ASTM E 1980)	NA	NA	NA
Approx. -30 °C to +100 °C	Approx. -30 °C to +100 °C	Approx. -30 °C to +100 °C	- 25 °C to +120 °C	Approx. -30 °C to +100 °C
Non Flammable	Non Flammable	Non Flammable	Non Flammable	NA
0.97 (ASTM E 96-095)	0.97 (ASTM E 96-095)	Almost Nil	NA	NA
Approx. 48 hours (at 20°C, 50% RH)	Approx. 48 hours (at 20°C, 50% RH)	Approx. 24 hours (at 20°C, 50% RH)	Approx. 24 hours (at 20°C, 50% RH)	Approx. 48 hours (at 20°C, 50% RH)
Approx 2 hours (ASTM D 1640-03)	Approx 2 hours (ASTM D 1640-03)	45 minutes (at 20°C, 50% rel. humidity)	Touch Dry - 3 hours Full Cure - 18 to 20 hours	1 hr max (at 20°C, 50% rel. humidity)
Good	Good	Good	Good / Excellent	Good
NA	NA	Flexible, Tough	Flexible, Tough	Flexible, Tough
NA	NA	Flame spread- 35 Smoke developed- 300 (As per ASTM E 84)	Flame spread- 35 Smoke developed- 300 (As per ASTM E 84)	NA
Almost Nil	Almost Nil	Almost Nil	Almost Nil	Almost Nil
A unique formula designed to offer roof insulation in addition to waterproofing. The product contains special synthetic resin with special fillers that makes it resist heat transfer. Its excellent flexibility & thixotropic nature makes it ideal for use on both horizontal & vertical surfaces. It offers cooling of minimum 5 - 10 Deg Celsius to the interiors subject to proper coating and maintenance.	A specially designed single part, pollution free liquid heat reflecting roof Insulation & waterproofing coating based on special synthetic resin. Its excellent flexibility & thixotropic nature makes it ideal for use on both horizontal & vertical surfaces. It offers superior UV resistance and high Solar reflectivity. Gives cooling effect to interiors and as such reduces energy consumption required for air conditioning. SUN BLOK coating helps achieving reduction of 10 - 12 °C in interior temperature.	A tough and flexible adhesive and sealant, forming a durable seal against air leakage. Due to its excellent water, U.V. and abrasion resistance it can be used on metal duct in outdoor as well as indoor thermal insulations. The coating resists high temperature and is highly waterproof. Exhibits anti fungal & anti bacterial properties in addition to good chemical resistance. The coating is Non toxic and non flammable too.	A synthetic resin water based vapor barrier coating specially manufactured for all types of internal and external thermal insulation duct systems. It is formulated with special additives for increased vapor barrier protection and for heavy duty commercial or industrial purposes.	A specially formulated liquid cold applied ready to use adhesive cum coating based on ductile bitumen, pure solvents, strong fibres, mineral stabilizers, special tackifying agents and adhesion additives. The product is durable, withstands thermal expansion & contraction movements.

NEOCRETE
CEMENT BASED
TECHNOLOGYBONDING AGENT, POLYMER
& CEMENTITIOUS COATING

DESCRIPTION

NEOCRETE range of BONDING AGENT, POLYMER products are specially designed, integral compounds used as additive for modified portland cement composition. Neocrete modified mortar has improved physical strength, superior adhesion to old concrete, masonry, brick and other surfaces. For meeting different needs of application grades based on: I) aqueous dispersion of Acrylic Polymer, II) carboxylated styrene butadiene co-polymer latex etc are available in this range. The products finds extensive use in building industry as an adhesive / additive to concrete & plasters / as an universal bonding agent / as a cementitious coating. Neocrete Cementitious Coating Products are two component acrylic based flexible waterproof coating.

METHOD OF APPLICATION

Clean surfaces free of dirt, gravel, dust and oil. Wet surface before application, make sure that it is not damp. Mix Bonding agent as per mixing ratio specified specific to applications. Coverage depends on surface condition and product selection. Can be applied by brush, spatula / trough. It is advised not to use SBR based polymer / bonding agents for exposed external applications. For crack repairing, clean the cracks and then apply a bond coat before filling with repair mortar mixture prepared. For CC 112 mix Part A & Part B homogeneously for about 5 mins with a stirrer till it forms a uniform free flowing slurry. Apply the mix on prepared surface. Apply 2 coats. For other products please refer below.

Bonding Slurry Coat: Clean & wet surface 24 hrs before application.

BA 100 - Mix product with Cement 1:1 by volume. Apply single coat & place the mortar while the coat is still wet.

BA 300 - Mix product with Water & Cement 1:4:5 by volume. Apply single coat & place the mortar while the coat is still wet.

CC 111 - Mix product with Cement 1:1 by volume. Apply single coat & place the mortar while the coat is still wet.

Repair Mortar or Render:

BA 100 - Mix product with Cement & Washed Sand in the ratio of 2:5:15. Dry mix cement and sand first and then add BA 100. Mix for 3 minutes. Add water as required to attain requisite consistency of mortar.

BA 300 - Mix 1Kg of product with requisite water for 50Kgs of Cement. Add this mix with Cement & Sand (1:3) in the ratio of 2:5:15. Dry mix cement and sand first and then add BA 300.

Cement Grout:

BA 100 - Mix product with Water & Cement in the ratio of 1:2:3. Add BA 100 to water first and then mix cement to the mixture. Apply the slurry on the surface.

BA 300 - Mix product with Water & Cement in the ratio of 1:4:5. Add BA 300 to water first and then mix cement to the mixture. Apply the slurry on the surface.

Waterproof Coating: Prime the prepared surface with BA 100 admixed with 3 litre of water & for BA 300 mix with 4 litres of Water. Apply by brush, roller & spray first coat with mixture of BA 100:Water:Cement in ratio of 1:2:5 by volume or BA 300:Water:Cement in ratio 1:4:5. Apply top coat with same mixture as above.

Reinforced Steel Priming: Wet the surface prior to application. Apply one coat of BA 100 / BA 300 mixed with cement (1:1 by volume) as a slurry to all exposed steel surfaces. Allow to dry. Apply 2nd coat and dry again.

APPLICATION AREAS

Waterproofing of chajjas. Useful for general concrete repair & reconstruction work, for rendering & profiling of vertical, horizontal & overhead applications. Suitable as a waterproof sealer for tanks. Ideal for repair & re-profiling of pre-cast structural members, for enabling strong & non-permeable joints between old and new concrete when mixed with mortar. For fixing tiles, floor screeds and mosaic tiling. For repairing of cracks, sealing of porous surface and latex modified overlays. Repair of Terrace & Basement, for toppings, patches & leveling course. Ideal for thin Sets, terrazzo, stucco and bonding slurries. Finds use as a bonding aid for old & new concrete.

STORAGE & SHELF LIFE

Keep in cool place away from direct sunlight & high temperature. Shelf life is 12 months from mfg date in unopened container.

CLEANING

All products can be easily cleaned with water. It is desirable that any spillages on to human body / hands be also cleaned with a suitable hand cleaner.

CAUTION: As with any chemical, exercise safe working practise and follow health & safety instructions in datasheet.



PRODUCT GRADES

APPEARANCE

NO. OF COMPONENT

COLOUR

SP. GRAVITY -ASTM-D 1644-03

NVM % (ASTM D 1475-03)

VISCOSITY (POISE) SP. NO 4/7, RPM:10/20@ 25 °C

POT LIFE @35 °C

RECOATING INTERVAL (CONTENT-MIN 6 HRS FOR ALL)

PH

FLAMMABILITY & TOXICITY (DRY FILM)

WATER PREMEABILITY (ASTM A 3245)

UV RESISTIVITY

COMPATIBILITY WITH CEMENT / ADMIXTURE

ADHESION

ABRASION RESISTANCE, CM/KM

WATER PRESSURE RESISTANCE, BAR (DIN 1048)

BRIEF
PRODUCT
INFORMATION

- Imparts improved bond / impact strength.
- Increases mortar wear resistance.
- Increases mortar flexural & tensile strength.
- Resists Mild Chemicals, Grease, Acids & Alkalis, Low permeability.
- Improves adhesion & surface hardening.

- Perfect for repair.
- Ideal for rubber wheeled traffic.
- Reduces Cracking.
- Durable & Prevents concrete decay.
- Finds use in Waterproof sealing & Lining of tanks.
- Excellent bonding to building substrates & Limits wear & tear.



NEOCRETE BA 100 ACRYLIC BONDING AGENT	NEOCRETE BA 101 ACRYLIC CEMENTITIOUS COATING	NEOCRETE CC 111 ACRYLIC MODIFIED CEMENTITIOUS POLYMER	NEOCRETE BA 300 SBR BONDING AGENT	NEOCRETE BA 301 SBR CEMENTITIOUS COATING	NEOCRETE CC 112 TWO PACK FLEXIBLE CEMENTITIOUS COATING
Free flowing Liquid	Free flowing Liquid	Free flowing Liquid	Liquid	Liquid	Free flowing Slurry
1 Part	1 Part	1 Part	1 Part	1 Part	2 Part
Milky White	Milky White	Milky White	Milky White	Milky White	Grey / White
0.95 ± 0.1 (ASTM D 1644-03)	0.95 ± 0.1 (ASTM D 1644-03)	1.05 ± 0.03 (ASTM D 1644-03)	0.95 ± 0.1 (ASTM D 1644-03)	0.95 ± 0.1 (ASTM D 1644-03)	1.65 ± 0.10
40 ± 5 (ASTM D 1475-03)	22 ± 5 (ASTM D 1475-03)	25 ± 5 (ASTM D 1475-03)	40 ± 5 (ASTM D 1475-03)	25 ± 2 (ASTM D 1475-03)	NA
1500 – 2500 CPS	1500 – 2500 CPS	1000 – 1500 CPS	1500 – 2500 CPS	1500 – 2500 CPS	NA
NA	NA	NA	NA	NA	20 mins
NA	NA	NA	NA	NA	Min 6 hours
7-9	7-9	7-9	5-7	6-9	NA
None	None	None	None	None	None
Almost Nil	Almost Nil	Almost Nil	Almost Nil	Almost Nil	Almost Nil
Good	Good	Good	Moderate	Moderate	Good
Good	Good	Good	Good	Good	Good
Good	Good	Good	Good	Good	Good
NA	NA	NA	NA	NA	0.08 ± 0.01
NA	NA	NA	NA	NA	Positive – 7 & Negative – 3
An aqueous dispersion of Acrylic Co-Polymer, specifically designed for modified Portland cement compositions. Mortar modified with BA 100 has improved physical strength, and superior adhesion to old concrete, masonry, brick, and many other surfaces. The dispersion contains an anionic emulsifier system and is free from film forming aids, solvents and plasticizers.	An aqueous dispersion of Acrylic Co-Polymer, specifically designed for modified Portland cement compositions. Mortar modified with BA 101 has improved physical strength, and superior adhesion to old concrete, masonry, brick, and many other surfaces. The dispersion contains an anionic emulsifier system and is free from film forming aids, solvents and plasticizers.	An Modified Acrylic Polymer based system, specifically designed for modified Portland cement compositions. Mortar modified with CC 111 has improved physical strength, and superior adhesion to old concrete, masonry, brick, and many other surfaces. The dispersion contains an anionic emulsifier system and is free from film forming aids, solvents and plasticizers. The product upon coating gives a tough, hard-wearing surface with waterproofing. Product however allows trapped vapours to escape thus preventing peeling and blister formation.	A SBR latex based waterproofing bonding agent designed as an integral adhesive for slurry bond coats, mortars and concrete to improve bond strength and chemical resistance. It is Ideal for producing high abrasion resistant floors, for use in internal and external renderings, flooring screeds and patch repairs. When dry the finished mortars or concrete show a vastly improved resistance to water. It can be used where improvements in physical properties of Portland cement systems are required.	A SBR latex based waterproofing bonding agent designed as an integral adhesive for slurry bond coats, mortars and concrete to improve bond strength and chemical resistance. It is Ideal for producing high abrasion resistant floors, for use in internal and external renderings, flooring screeds and patch repairs. When dry the finished mortars or concrete show a vastly improved resistance to water. It can be used where improvements in physical properties of Portland cement systems are required.	A two part acrylic based flexible cementitious waterproofing coating. The product is formulated with best quality cement binders, finely grained & selected aggregates, special additives & superior acrylic polymer as a binder. It is applied to waterproof and protect concrete structures. Specially formulated for areas requiring superior water protection, resistance to long term weathering like that in swimming pools, retaining walls, water tanks, water immersed tunnels & sumps, bridge decks, masonry walls and a wide variety of structures. The product on curing forms an excellent flexible, waterproof & protective layer over the substrate.

NEocreTE CEMENT BASED TECHNOLOGY

ADMIXTURE & PLASTICIZER

DESCRIPTION

NEocreTE range of ADMIXTURE & PLASTICIZER products are specially designed, integral compounds used as additive for modified portland cement composition. The products in this range conforms to IS: 2645-1975, BS-4887, ASTM C 91 as an 'Integral waterproofing admixture' & conforms to IS: 9103-1999 as an Super Plasticizing Admixture. Has good plasticizing properties, makes concrete cohesive & prevents segregation. When added to the wet concrete or mortar, fills up the capillaries in the concrete giving effective water proofing. Also used to accelerate the setting time of freshly mixed concrete. The product enhances the workability and reduces water consumption considerably. Apart from reducing the water cement ratio, they also improve performance characteristics of hardened concrete: higher compressive strength and modulus; lower permeability, shrinkage and creep.

The products available in this range are:

Integral Water Proofing Admixtures, Set retarding super plasticizing concrete admixture, Set accelerating super-plasticizing concrete admixture, PCE based super-plasticizing admixtures.

METHOD OF APPLICATION

Mix as per specified dosage. **Trial mixes** should be carried out at site to determine the optimum dosage to achieve the desired property. Add product to water prescribed to be added to cement compositions. **Dosage** recommended are as below:

IWA 500 - Mix 0.5% by weight or 250 ml by volume per 50 kg bag of cement.

IWA 1000 - Mix 0.4% by weight or 200 - 250 ml by volume per 50 kg bag of cement.

SR 200 & RMC 40 - Approximate dosage is 0.3-1.0 litre / 100 kg cement. Higher dosages are recommended for certain combinations of materials and conditions & when water reduction in excess of 15% is required.

SA 10 - Approximate dosage is 600 ml to 1000 ml per 50 kg of cement. For Blocks 1 to 1.7 litre per 50 kg cement.

SA 20 - Approximate dosage is 2 to 3 litre per 100 kg of cement.

APPLICATION AREAS

Integral Waterproofing Admixtures are ideal for water proofing concrete mortar constructions like tanks / reservoirs, foundations, swimming pools, sewers, external & internal plasters, basements, bathroom walls etc. In all cases where water tight plastering is required.

Set Retarding & Super Plasticizing Admixtures are suitable for production of self compacting concrete / High strength & high workability concrete / Hot weather concrete / Production of ready mix concrete / production of pre-caste concrete. They are safe for use in pre stressed and reinforced concrete.

Set Accelerating Plasticizing Admixtures are useful in applications like precast concrete, concrete placed in cold weather, concrete for repairs, mortars for brickwork, Mass concreting under sea water and concrete hollow block manufacturing. As an accelerator for use in concrete and cement mortar for early stripping of formwork.

COMPATIBILITY

NEocreTE products are compatible with all types of Portland Cement including SRC and modified Type-II. PC Grades & Set Accelerating Grades are not compatible with high alumina cement.

CONFORMING TO STANDARDS

IWA products conforms to IS: 2645 -1975; RMC 40 / SR 200 / PC 30 / PC 50 products conforms to IS: 9103 -1999; ASTM C 494; SA 10 / SA 20 products conforms to ASTM C 494 Type C.

CAUTION: As with any chemical, exercise safe working practise and follow health & safety instructions in datasheet.

STORAGE & SHELF LIFE

Keep in cool place away from direct sunlight and from high temperature. Shelf life is 12 months from the manufacturing date in an unopened container.

CLEANING

All products can be easily cleaned with water. It is desirable that any spillages on to human body or hands be also duly cleaned with a suitable hand cleaner or soap.



PRODUCT GRADES

APPEARANCE & COLOUR

SPECIFIC GRAVITY

SOLID CONTENT %

PH

FLAMMABILITY & TOXICITY (DRY FILM)

COMPATIBILITY

CHLORIDE CONTENT (ADDITION @ 3.4 LITRE PER 100KG CEMENT)







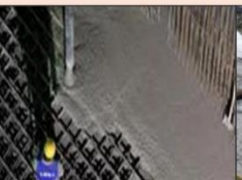

AIR ENTRAINMENT

BRIEF PRODUCT INFORMATION

- › Liquid & easily flowable.
- › Imparts consistent plasticity & Air entrainment.
- › Fills the capillaries in concrete.
- › Required in small dosage & compatible to all types of sand & cements.
- › Reduce Water content.
- › Improves performance properties of concrete.

- › Ensures quick Dispersion & homogeneous mixing.
- › Improves workability of concrete & helps to achieve compaction.
- › Reduces porosities/permeability of mortar & arrests leakage.
- › Easy to handle. Works effectively across a variable mixing efficiency & time.
- › Finds use in Waterproof sealing & Lining of tanks.
- › Helps preparation of high grade & durable concrete with same composition.



							
NEOCRETE IWA 1000 INTEGRAL WATERPROOFING ADMIXTURE	NEOCRETE IWA 500 INTEGRAL WATERPROOFING ADMIXTURE	NEOCRETE SA 10 SET ACCELERATING SUPER PLASTICIZING ADMIXTURE	NEOCRETE SA 20 SET ACCELERATING SUPER PLASTICIZING ADMIXTURE	NEOCRETE PC 30 HIGH PERFORMANCE PCE BASED SUPERPLASTICIZER	NEOCRETE PC 50 HIGH PERFORMANCE PCE BASED SUPERPLASTICIZER	NEOCRETE SR 200 SET RETARDING SUPER PLASTICIZING ADMIXTURE	NEOCRETE RMC 40 HIGH RANGE WATER REDUCING & SET RETARDING PLASTICIZER
Liquid Clear Dark Brown	Liquid Clear Dark Brown	Liquid Clear Brown	Liquid Brown / Light Straw	Liquid Light Brown	Liquid Dark Brown	Liquid Dark Brown	Liquid Dark Brown
1.15 ± 0.05	1.10 ± 0.05	1.27 ± 0.02	1.27 ± 0.02	1.08 ± 0.02	1.20 ± 0.02	1.20 ± 0.05	1.20 ± 0.05
35 ± 2	20 ± 2	42 ± 5	42 ± 5	23 ± 5	35 ± 2	35 ± 2.5	35 ± 5
9.5 - 10.5	8.5 - 9.5	7 - 8	7 - 8	6-8	6-8	9.5 - 10.5	9.5 - 10.5
None	None	None	None	None	None	None	None
With all Cement & admixture	With all Cement & admixture	NA	NA	With all cement & admixture	With all cement & admixture	With all Cement & admixture	With all Cement & admixture
NA	NA	0.9% by weight of cement	Chloride Free	Nil	Nil	NIL	NIL
NA	NA	<1% additional air	<1% additional air	NA	NA	NA	NA
An Integral Waterproofing Admixture for concrete & cement mortar. It has good plasticizing properties, makes concrete cohesive & prevents segregation. It is to be added to the wet concrete or mortar. It fills up the capillaries in the concrete giving effective water proofing. It can also be used to accelerate the setting time of freshly mixed concrete. The product conforms to IS: 2645 -1975 as an 'Integral waterproofing admixture'.	An Integral Waterproofing Admixture for concrete & cement mortar. It has good plasticizing properties, makes concrete cohesive & prevents segregation. It is to be added to the wet concrete or mortar. It fills up the capillaries in the concrete giving effective water proofing. It can also be used to accelerate the setting time of freshly mixed concrete. The product conforms to IS: 2645 - 1975 as an 'Integral waterproofing admixture'.	A specially formulated conc. solution consisting of quality accelerating, plasticizing & shrinkage-reducing agents. When added to Portland cement it produces quick setting mortar. It accelerates the setting & early strength gain of Portland cement concrete & mortar mixes that is required for early stripping of formwork. Resists the effect of frost, making it ideal for use in cold weather. As a plasticizer, it increases development of both ultimate & early strengths. In cementitious mix it accelerates hydration & enables the water content to perform more efficiently.	This is a specially formulated concentrated solution free of all forms of chloride consisting of quality accelerating, plasticizing, and shrinkage-reducing agents. When added to Portland cement it produces quick setting mortar. It accelerates the setting and early strength gain of Portland cement concrete and mortar mixes that is required for early stripping of formwork. It also helps to resist the effects of frost making it ideal for working in cold weather. Acts as a plasticizer, so used to increase the rate of strength development both ultimate & early strengths.	This is a specially formulated PC based super-plasticizer for concrete and mortar. The product conforms to IS: 9103 - 1999 and ASTM - C494 as an Super Plasticizing Admixture. The product enhances the workability and reduces water consumption considerably. It has good plasticizing properties and also helps in early strength development NEOCRETE PC 30 will improve performance characteristics of hardened concrete: higher compressive strength; lower permeability.	This is a third generation poly - carboxylated ether based super-plasticizer for concrete and mortar. The product conforms to IS: 9103 -1999 and ASTM - C494 Type F as an Super Plasticizing Admixture. The product enhances the workability and reduces water consumption considerably. It has good plasticizing properties and also helps in early strength development NEOCRETE PC 50 will improve performance characteristics of hardened concrete: higher compressive strength; lower permeability, improved shrinkage and creep behaviour.	This is an high end set retarding liquid Super plasticizing admixture for concrete and cement mortar. The product enhances the workability and reduces water consumption considerably. It has good plasticizing properties, makes concrete cohesive and prevents segregation. The product conforms to IS: 9103 -1999 as an Super Plasticizing Admixture. Apart from reducing the water cement ratio, this will improve performance characteristics of hardened concrete: higher compressive strength and modulus; lower permeability, shrinkage and creep.	This is an high end water reducing & set retarding liquid Super plasticizing admixture for concrete and cement mortar. The product enhances the workability and reduces water consumption considerably. It has good plasticizing properties, makes concrete cohesive and prevents segregation. The product conforms to IS: 9103 - 1999 as an Super Plasticizing Admixture. Apart from reducing the water cement ratio, NEOCRETE RMC 40 will improve performance characteristics of hardened concrete: higher compressive strength and modulus; lower permeability, shrinkage and creep.

NEO WATER BASED PAINTS & PRIMERS

DECORATIVE PAINTS & PRIMERS

DESCRIPTION

PAINTS: NEO's Paint products are high quality acrylic emulsion paint for exterior & interior walls. They provide luxurious semi glossy finish in addition to excellent weather & high scrub resistance. Products are specially formulated to withstand complex climates. They offer resistance to algae & fungal growth on cemented walls, asbestos-cement sheeting, gypsum & all concrete / brick works. Internal paints offer unique Anti Bacterial Shield and offer protection against tough stains. These are specially formulated products to withstand heavy rainfall, humidity, extreme heat & cold. It protects against acidic / alkaline climates. Does not degrade upon exposure to UV.

PRIMERS: Neo's Primer products are made of high quality Plastic emulsion ideal as an undercoat matt finish protective coating for newly plastered or previously painted walls. The cement primer is an undercoat to be applied after preparation of the surface and before applying the top coats.

DISTEMPER: Neo's Distemper products are water thinnable Acrylic based coating meant for application on interior cement plastered walls of houses, residential apartments bungalows. The products are available in white base while other colors also can be provided on specific request.

METHOD OF APPLICATION

Substrates must be dry & free from dust, dirt & loose particles. Newly plastered walls must be perfectly cured. Wall imperfections like cracks, small pits, holes etc. must be filled with NEO's AWP - Acrylic Putty. Previously coated films, chips, algae, fungus or moss growth should be removed by brushing & cleaning with water. All Neo Water Based Paint & Primer Products can also be applied on interior shadowed walls where diffused sunlight persists. But it should not be applied on surfaces where continuous seepage or dampness prevails. Apply by airless conventional spray, brush or roller. Provide sufficient ventilation during application & drying of paint. Do not apply paint below 10°C temp. Stir well & strain before use. The products are water dilutable.

APPLICATION AREAS

Decorative paint & primer products are used for Decorating & Protection of our building external and internal walls. Primers finds use for coating on prepared surfaces prior to application of Paints. They are undercoats. Paints are the exposed top coat that add aesthetics to your walls. Typical areas of uses are for painting interiors of homes/ offices/ factories; painting of external wall of all buildings, boundary walls, etc. Distemper uses are also similar but for low cost activities.

PRECAUTIONS & LIMITATIONS

- Do not apply when surface temperature is < 10°C and > 50°C.
- Not to be applied on surfaces where seepage / dampness exists.
- Ensure proper ventilation when applied in Interiors.
- Use Clean water for dilution. Do not mix 2 products together.
- As with any chemical, exercise safe working practise and follow health & safety instructions in datasheet.



NEO COLOUR PALETTE



THINNING RATIO

PRODUCT TYPE	TYPE OF APPLICATION	THINNING RATIO
Exterior Paints	For conventional spray	Paint - 70 to 75 %; Water- 25 to 30 %
	For Brush / Roller / Airless Spray	Paint - 80 to 85 %; Water- 15 to 20 %
Maintain viscosity of thinned paint at 40 to 45 sec. (sprayable) by Ford Cup #4 at 30°C.		
Exterior / Interior Primer	For conventional spray	Paint - 70 to 75 %; Water-25 to 30 %
	For Brush / Roller / Airless Spray	Paint-80 to 85 %; Water-15 to 20 %
Maintain viscosity of thinned paint primer at 25 to 35 sec. by Ford Cup #4 at 30°C		

STORAGE & SHELF LIFE

Keep in well ventilated place protected from heat & direct Sunlight. Cans must be tightly closed.

PACKAGING

Paint and primer products are available in pack sizes of 1/4/10/20 litre packs.

PRODUCT GRADES

APPEARANCE & COLOUR

FINISH

NVM %

FILM THICKNESS

DENSITY

COVERAGE (SQ. MT./LITRE)

STABILITY OF THINNED MATERIAL

FLASH POINT

TOUCH DRY (@ 32-35°C)

HANDLING DRY (@ 32-35°C)

RECOATING INTERVAL

SHELF LIFE

VISCOSITY BY FC #4/30°C

WATER INTAKE

BRIEF



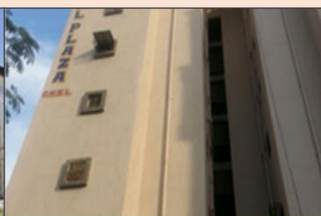



PRODUCT

INFORMATION

- Single Component Acrylic Emulsion Paint/Primer
- Seamless, Tough Glossy Finish.
- Unique additives added to make it durable.
- Weather Resistance and Scrub resistance properties.
- Versatile Products.
- Resistant to UV.
- Compatible primers to most paints

- Requires no mixing or heating, saves labour costs.
- Add aesthetic look to painted surfaces.
- Highly resistant to acids and alkali climates.
- Perfectly Suited for Exterior Top Finish.
- Capacity to withstand extreme hot/cold, high rainfall / humidity.
- Retains its look and does not degrade upon exposure to Sun light.
- Helps durability of top coat applied over it.



					
NEO SILK INTERIOR EMULSION PAINT	NEO WEATHER PERFECT CLASSIC EXTERIOR EMULSION PAINT	NEO WEATHER PERFECT ADVANCED EXTERIOR EMULSION PAINT	EXTERIOR CEMENT PRIMER	INTERIOR CEMENT PRIMER	SYNTHETIC DISTEMPER WATER BASE ACRYLIC DISTEMPER
Semi Solid Viscous White + Colours as per shade card	Semi Solid Viscous White + Colours as per shade card	Semi Solid Viscous White + Colours as per shade card	Viscous Liquid White + Other Colours on request	Viscous Liquid White + Other Colours on request	Thick & Viscous material White and other shades
Semi Glossy	Smooth & Sheen persist	Semi Glossy	Smooth & matt	Smooth & matt	Matt
50-55 %	50-55 %	50-55 %	35-40 %	45-48 %	65±2%
30 microns(dft); 100 microns(wft)	30 microns(dft); 100 microns(wft)	30 microns(dft); 100 microns(wft)	30 microns(dft); 100 microns(wft)	30 microns(dft); 100 microns(wft)	NA
1.30 - 1.35	1.30 - 1.35	1.30 - 1.35	1.30 - 1.35	1.30 - 1.35	1.6 ± 0.10
25-26 (1 coat); 13-14 (2 coat)	11-12 (1 coat); 6-7 (2 coat)	10-11 (1 coat); 5-6 (2 coat)	10-11	10-11	65- 75
24 hrs.	24 hrs.	24 hrs.	24 hrs.	24 hrs.	NA
Non-Flammable	Non-Flammable	Non-Flammable	Non-Flammable	Non-Flammable	NA
15-20 min.	15-20 min.	15-20 min.	15-20 min.	15-20 min.	NA
1.5 to 2 hrs.	1.5 to 2 hrs.	1.5 to 2 hrs.	1.5 to 2 hrs.	1.5 to 2 hrs.	NA
Min. 1 to 1.5 hrs at 32 - 35°C	Min. 1 to 1.5 hrs at 32 - 35°C	Min. 1 to 1.5 hrs at 32 - 35°C	Min. 1 to 1.5 hrs at 32 - 35°C	Min. 1 to 1.5 hrs at 32 - 35°C	NA
5 yrs.	3 yrs.	5 yrs.	2 yrs.	2 yrs.	NA
NA	NA	NA	NA	NA	30 ±2 Sec in 85 : 15 ratio
NA	NA	NA	NA	NA	15% OR as required
Neo's Neo Silk provides a luxurious finish and silky glowing appearance to your interior walls with luxury sheen. It is luxury Emulsion is designed to prevent fungal growth on walls. It also offers a unique anti-bacterial shield that kills about 99% of micro-organisms as per Japanese Industrial Standards Z-2801. It is Special Ingredient Surface Protector, fortifies your walls against tough stains, increase durability & reinforces the strength of the paint film.	'Weather Perfect Classic' of Neo paints Exterior Acrylic Emulsion paint is a high quality paint having silicon additives & pure acrylic emulsion water thinnable paint for exterior wall finish. It is formulated for high performance exterior top finish to withstand high rainfall, humidity, extreme heat & cold climatic conditions. It is also resistant to algae & fungal growth on cemented walls, asbestos-cement sheeting, gypsum & all concrete/brick works. It provides smooth finish & protects against acidic / alkaline climate and UV degradation.	Neo Paints Weather Perfect Advanced is a high quality acrylic emulsion paint for exterior walls. It provides luxurious semi glossy finish. The product exhibits excellent weather & high scrub resistance. It is specially formulated to withstand high rainfall, humidity, extreme heat & cold, acidic and alkaline climate. It offers resistance to algae & fungal growth on cemented walls, asbestos-cement sheeting, gypsum & all concrete/brick works. Does not degrade upon exposure to UV.	Neo's Acrylic Exterior Cement Primer is of high quality Plastic emulsion primer for exterior walls. It is an undercoat matt finish protective coating for newly plastered or old walls. It has excellent adhesion property & high scrub resistance. It provides smooth & beautiful look to the top coat colors applied over it. Its coating withstands rainfall, humidity, extreme heat & cold. Also resistant to algae & fungal growth on cemented walls, asbestos-cement sheeting, gypsum & all concrete/brick works. It is applied after preparation of the surface and before applying the top coats.	Neo's Acrylic Interior Cement Primer is of high quality Plastic emulsion primer for interior walls. It is an undercoat matt finish protective coating for newly plastered or previously painted walls. The product has excellent adhesion property & high scrub resistance. It provides smooth & beautiful look to the top coat colors applied over it. It is formulated for interior undercoat finishes for interior walls to be applied after preparation of the surface and before applying the top coats.	This is water thinnable Acrylic Distemper meant for application on interior cement plastered walls of houses, residential apartments bungalows. Neo's Distemper is available both in white & dark base. Colors shades are available on bulk and specific request. These products are locally tintable with required color stainers.

EPOXY FLOOR COATING

DESCRIPTION

NEOFLOOR are tough, hard wearing, chemical and abrasion resistant coatings that helps the surface to last long without compromising any of the properties of the concrete floor. Based on solvent less two component Epoxy System, NEOFLOOR provides monolithic, smooth, non-porous, hygienic coating that is easy to clean and maintain. It is available in wide range of colours and has sufficient strength to withstand industrial traffic with nylon / rubber wheels. It offers improved performance while maintaining ease of application. NEOFLOOR is designed for all concrete surface (old/new).

METHOD OF APPLICATION

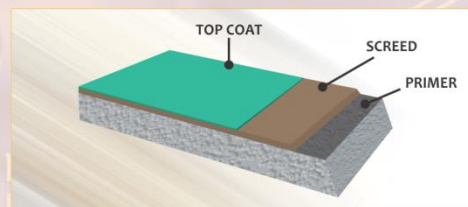
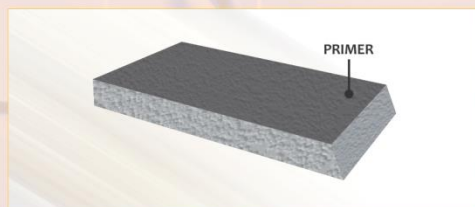
Ensure that surfaces are clean free from loose dust particles, moisture, oil, grease, any previous coatings etc. A sound, clean and dry concrete substrate is absolutely essential in ensuring maximum bonding. New concrete surface must be a minimum of 28 days old, free from curing compounds and sealers, free from moisture vapour release and have a moisture content of less than 5%. Application temperature below 40°C & relative humidity less than 85% is recommended.

MIXING

NEOFLOOR is supplied in 3 different pre-weighed packs (Base, Hardener, Aggregates). Mix Base and Hardener thoroughly and then add the aggregates slowly upon continuous stirring. Mix for 3 mins and apply before pot life. It is ideal to mix small quantity. Note that improper mixing may affect the appearance and performance.

APPLICATION PROCESS

Post preparation of surface apply Primer Coat using **NEO FLOOR P**. This gives better adhesion to intermediate coat and bonding to concrete surface. Follow it up with Screed Coat with **NEO FLOOR S**. The Screed coating provides good abrasion, impact resistance, high strength, heavy duty and good anti-skid base for flooring. Finish the coating process with Top Coat using **NEOFLOOR SLT**. The top coating offers excellent surface levelling and smooth attractive finish to the floor.



NEOFLOOR coatings are applied with a notched trowel to the required thickness for getting desired properties. The liquid coating is poured and spread evenly with a spreader. Then spread using a spike roller to ensure complete de aeration of the coating. Wear spike shoes during application. Stop rolling before 20 mins of pouring the material. Freshly applied coating must be protected from usage for at least 18 hrs. Pot life & Curing time will increase upon decrease in ambient temperature and vice versa.

APPLICATION AREAS

NEOFLOOR finds use for in health care facilities requiring hygienic monolithic floor like pharmaceutical Industries, operation theatres & corridors in hospitals, Diagnostic labs. Also is extensively used in Food processing industries like fisheries, meat processing, pickles processing units, Bottling plants, dairies & breweries, fermentation floors in tea garden etc. Due to its tough surface finds use in Industrial Floors like in aerospace including airport hangers, electric & electronic Industries, picture tube manufacturing plants, textile mills. Other applications include : Assembly & Production Areas in Automobile workshops & showrooms, Retails Shopping Malls & Commercial Buildings, Nuclear plants, computer & control panel rooms.

STORAGE & SHELF LIFE

Store in an air tight container, in dry conditions between 10°C to 30°C

CLEANING

All tools and equipment can be cleaned with NEO Thinner ET-509 immediately after use.

CAUTION: As with any chemical, exercise safe working practise and follow health & safety instructions in datasheet.



- › Glossy, Satin / Matt finish in customized colours.
- › Solvent less & Odour free coating.
- › Excellent resistance to Chemicals & Abrasion.
- › Self levelling in nature.
- › Moisture tolerant & Non Staining.
- › Enhanced Adhesion.

- › Provides monolithic surface with added aesthetics.
- › Environmental Friendly.
- › Withstands traffic wear and tear.
- › User friendly & provides Ease of application.
- › Easy to clean and resists fungal and bacteria growth.
- › Excellent bonding to concrete (Old / New) & various other substrates like kota stones etc.



PRODUCT GRADES	NEOFLOOR P EPOXY PRIME COAT	NEOFLOOR S EPOXY FLOOR SCREED	NEOFLOOR SLT EPOXY SELF LEVELING TOP COAT
COMPONENTS	2	3	3
COLOUR	Translucent	Sand	RAL/PANTONE/IS
GLOSS	Semi-Glossy	Matt	Glossy /Semi Glossy /Matt
RECOMMENDED DFT/COAT	150 - 175 µm	2 mm - 4 mm	1 mm
THEORETICAL COVERING SQ.MTR/KG	5.6 - 4.8	0.25-0.125	0.6
PAINT CONSUMPTION KG PER SQ,MTR.	0.18 - 0.21	04-08	1.7
SURFACE DRY (HRS.)	3-4	3-4	3-4
HARD DRY (HRS.)	24	24	24
FULL CURE (7 DAYS)	7	7	7
MIXING RATIO (BASE:HARDNER:AGGREGATE)	1:1	5:3:25	2:1
INDUCTION TIME (MINUTES)	5	5	5
POT LIFE (MINUTES)	35	35	35
OVER COATING INTERVAL (HRS)	10	8	NA
BRIEF PRODUCT INFORMATION	A two component epoxy primer that is applied on floor prior to coating NEOFLOOR S or NEOFLOOR SLT. It provides excellent bond to concrete surfaces and can be used as a preparatory coat to be followed by screed and top coat.	A three component abrasion resistant flooring screed. It is extremely tough, durable, slip resistant & ideally suited for areas subjected to high impact, high abrasion, forklift movement & areas exposed to chemicals, oil spillage etc. It provides excellent bond to concrete surfaces & can be used during design of new floors or as an overlay to existing floors to protect from impact & corrosive chemicals. It is used when the thickness of flooring required is >1 mm but <5mm.	A three component pigmented epoxy floor coating laid for thickness up to 2 mm. It provides monolithic, smooth, non-porous, hygienic, chemical resistant floor that is easy to clean and maintain. It is available in a number of colours and has sufficient strength to withstand industrial traffic with nylon or rubber wheels.

NEO
ADD-ON
PRODUCTSMISCELLANEOUS CONSTRUCTION
CHEMICAL PRODUCTS

TILE ADHESIVE

NEOFIX TA 1000: This is a single pack Polymer modified Cementitious System based Tile Adhesive. The product offers excellent resistance to complete immersion & adhesion to all building material. Curing is not required for Permanent tile fixing. Ideally suitable for ceramic, mosaic tile bonding. Coverage : 13-14 kg/m² when applied by 7 mm notched trowel.

NEOFIX TA 2000: This is a thixotropic solvent free, epoxy resin based hard wearing & attractive tile joint grout. The system has low odour & is resistant to water, weathering & wide range of industrial chemicals. The product comes with unique colour pack system to match tiling colours. Apply the mixed component (Resin + hardener + Filler) with a spatula into the spaces between the tiles & around the edges. Remove excess material with a dry cloth. Finds extensive use for bathrooms/ swimming pools/ factories/ hospital where a stain free easily cleanable product is required. Coverage : 0.25 kg /m².

ACRYLIC WALL PUTTY

NEOPROOF AWP: Acrylic Wall Putty is a water based ready-to-use putty. It is designed to give the best properties as an under coat, provides a very strong, durable foundation and brings out the best of finish paints in looks and durability. AWP is a perfect product meant for filling and smoothening out cracks and dents on the plastered wall or similar interior surfaces. A very finely mixed and quick drying putty with superior acrylic binders, AWP not only gives a firm grip on the wall surface but makes painting over it extra rich. Over and above the putty surface has limited porosity and good breathability as against conventional putties. It also exhibits good alkali resistance.

NEOPROOF PROTECTIVE LACQUER COATING FOR MEMBRANES

NEOPROOF RC 233 is a modified U. V. resistant clear lacquer to be applied over elastomeric liquid membrane coatings for extra durability, gloss, dust/dirt and water repellency. This product is just a protective coating and does not have any waterproofing property. It only protects pre applied membrane coating from immediate / short term damage from dust and UV. Apply by brush or airless spray equipment. Normally single coat is enough but if required you can put 2 coats. Allow recoating interval of approx 1 hr. Coverage is around 120 sq. ft per litre per coat. Will be higher if spraying method is used.

NEO'S CLEAR LACQUERS

NEOGUARD 5150 is a 2 part, air drying, polyamide cured Epoxy Clear lacquer with good chemical & salt Resistance. Recommended as Topcoat on epoxy primer/True coat on metal Surfaces. Available in Glossy / Semi glossy finish, the product is applied by brush / spray. Coverage-14.6 -17.6 sq m per litre per coat for DFT of 25-30 microns. Mix the 2 parts in the given ratio & apply. Pot life-4 hrs, Touch Dry-30 mins & Hard Dry-12 hrs. Find uses in OEM's as well as for process industries like fertilizers, refineries, chemical & other plants, pipelines, structural steel, etc.

NEOSHIELD 6220 is a 2 part air drying Aliphatic isocyanate based PU clear lacquer coating for best gloss retention, chemical resistance & protect from UV degradation. It is recommended as topcoat on Epoxy Primer or PU Primer/as a True coat on MS surface for OEM's & Auto ancillaries as well as for process industries like refineries, chemical etc. Available in Glossy / Semi glossy finish the product is applied by brush / spray. Coverage -12.16 -14.6 sq m per ltr per coat for DFT of 25-35 microns. Mix 2 parts in the given ratio & apply. Pot life - 3 hrs, Touch Dry - 30 mins & Hard Dry - 6 hrs.

NEO'S ANTI RUST & ANTICORROSIVE PRODUCTS:

NEO'S RUST-O-KILL is a single part adduct of polar solvents & organic acids specially formulated to remove rust, convert rust into non corrosive coating & also act as an active oil & de-greasing agent. Its 3 in 1 action of RUST REMOVAL/RUST CONVERSION/DEGREASING offers a handy product for all maintenance needs. Finds use in all industries/building & construction etc. Dilution is possible with water but for badly rusted areas undiluted usage is preferable. Apply with brush or dry cloth/sponge or spray gun on surfaces which are rusted or where initial rusting has started & requires re-painting. Wait for 5 to 10 mins & then scrub clean the surface with Sand or Emery paper. Remove loose particles & wipe with wet cloth & then with dry cloth. Apply primer or paint as required immediately.

NEO PRIME GUARD RED OXIDE PRIMERS are specially developed 2 part epoxy based anti corrosive product containing Zn Phosphate added with superior corrosion inhibiting pigments. The product is phenalkamine curing red oxide primer. Recommended as primer on MS Surface for OEM's, process industries like fertilizers, refineries, chemical & other plants. Also useful in diverse areas of tank exteriors, equipments, pipelines, structural steel, etc. Not to be used for immersion application. The product gives Red Oxide Matt Finish whose surface dry will be in 15-30 mins & hard dry in 12 hrs. Coverage is approx - 10-11 sq m / ltr for 35 micron DFT. Mix base and hardener as per ratio advised. Pot life of mixed content is 2 hrs & the coating is compatible to all types of top coats. Neo has in its range RED OXIDE PRIMERS made with different base other than epoxy.



MISCELLANEOUS CONSTRUCTION CHEMICAL PRODUCTS

NEO ADD-ON PRODUCTS

DE SHUTTERING OIL

NEO DE SHUTTERING OIL: Products are ready to use mould release agent for rapid stripping of moulds in any formwork. They are clean and stain free. Grades available in the range are DSO – STD, DSO- RTU. DSO STD is a concentrated & emulsified chemical mould release agent that can be diluted with water. This reduces storage and transportation cost. Coverage - 150 to 160 sq m per kg. DSO RTU is an oil based chemical mould release agent for quick, stain free and easy stripping activity. Can be used for steam curing also. Works fairly well on wet surfaces also. Coverage of the product is 50- 60 sq m per litre.

ANCHOR GROUT

NEOCRETE ANCHOR GROUT are 2 part high strength, thixotropic Polyester resin based grout. They are highly vibration & corrosion resistant. The product on setting attains very high compressive & Pull Out strength. This can be safely used under water also. The product is fast setting in nature & is designed exclusively for applications where early load bearing capacity & speed of installation is required. Few applications are grouting of Steel bolts into concrete, stones, machinery & brick work. The product Conforms to BS 6319 - Part 2-3 & BS 2782 part 2.

NEOPROOF ACRYLIC REINFORCED REBAR COATING

NEOPROOF RC 230 is an Acrylic reinforced water-based coating designed for protecting REBARs from corrosion. The product shows excellent water & abrasion resistance and its coating also exhibits anti fungal & anti bacterial properties. RC 230 comes with special corrosion inhibiting additives to make it last longer. The product is ideal for use over Reinforcing Steel to protect it from further corrosion. Apply 2 coats @ 50 sq ft per kg per coat. Coverage is around 40-50 sq. ft per kg @ DFT of approx 100-150 microns.

CRACK FILLING COMPOUND

NEOPROOF FILCRACK is a single pack, ready to use flexible non sag paste specially designed for filling the cracks in plastered surfaces. Composed of high quality durable acrylic polymer, finely graded fillers, light fast pigment & additives, it offers excellent bonding to Cementitious surfaces, water & UV resistance, aesthetic non staining appearance & durability. Conforming to ASTM C 834 – 91 it is suitable for use in internal & external plastered brick masonry wall cracks of upto 5mm width. Being flexible accommodates minor movements in cracks. It is non toxic, environmental friendly product. Application is done with a spatula / knife. Its better to apply bond coat of the product with 1:1 water diluted mix. Allow to dry for 24 hours and then proceed with sequential activities. Limitations -Should not be used for cracks more than 5 mm thick. Not to be used in cracks of structural members, expansion joints & separation gaps.

NEO BITUMINOUS WATER TANK COATING

NEO BITUMINOUS COATING (IS 9862) is a specially designed ready to use Black Bituminous Paint conforming to IS:9862 specification useful for coating of drinking water tanks. It is Lead free and resistant to Acid & Alkali, Water & Chlorine. It finds application as paint or primer for use on exterior & interior surfaces of Metals, Wood, RCC etc. Also used as a primer coat on Concrete surface / Brick surface / Metal surface / Smooth asphalt roofs / Concrete Sloped Roof before aesthetic singles roofing. Apply 2 coats by brooms, brushes, squeegees or airless spray equipment. Touch dry - 3-4 hours at 30°C & Hard dry - 8 hours. Coverage - 3-4 m²/litre per coat on masonry surfaces & 8 m²/litre per coat on Smooth Metal Surface (like steel, etc). DFT - 60-80 microns per coat.

REFLECTIVE COATING

NEOEFFECT SPARKLER are specially formulated clear-semi transparent, retro reflective paint that dries super fast leaving a invisible & reflective coating. The coating provides dazzling effect on light incidence. Designed using high quality reflective pigments it makes easy visibility of things/substrates during night time without any change in its usual appearance in day light. Consisting of Polymer & Special pigments it forms a flexible, glossy & UV stabilized coating. Best if applied on top of any base coat of same or different colour for giving perfect reflection and protection. Typical uses include Industrial labelling; Sign Boards; Pedestal Identification; Stair Case; Racks & Shelves; Identification where visibility is critical & countless other creative uses that catches our imagination.

CAUTION: As with any chemical, exercise safe working practise and follow health & safety instructions in datasheet.



▶ NEO AT A GLANCE

Neo Pack Plast (India) Pvt. Ltd., an ISO 9001:2015 Certified Company was established in 1978 for manufacture of MS Barrels. Its founder **Mr Aziz Khan** started this venture & made steady progress thus steered ahead the company to a leading multi-product company. Today Neo as a company has diversified into Synthetic Resins / Paints / LDPE & PP Liner Bags/ Construction Chemicals/Insulating Varnishes.

Neo also has proved to be a good manufacturing organization with expertise in Product Development / Sourcing & Inventory management / Quality Consistency. Neo hence is most sought outsourcing vendor for big corporates.

As part of diversification, NEO entered into foray of Construction Chemical Business in the year 2014. This business will focus on manufacture of *Waterproofing Chemicals under Liquid Membrane Technology, Admixtures & Bonding Agents for use in Building construction and maintenance & variety of other products conforming to international Standards. Parent Technology is sourced from Gulf making the products a mix of Time tested Quality & Value for Money. Additionally Neo has a well trained back up support team for Application Guidance/ Product usage.*

Neo Pack Plast (India) Pvt. Ltd., strategically located in Central Vapi, Gujarat with an additional unit in Daman (U.T.) today can boast of having:

▶ SUPERINFRASTRUCTURE :

Skilled Manpower / Spacious Storage facilities for RM & FG / State of the art machinery and fully equipped laboratory. With a robust capacity as below NEO is successful in meeting big volume requirement of customers.

- *Paints & Coatings 7200 MT Annually*
- *Resins & Varnish 6000 MT Annually*
- *Building Materials 2400 MT Annually*
- *Liner Bags 5000 MT Annually*

▶ STRONG R&D SETUP :

Qualified Manpower / Quality Machinery as per global standard/ Exclusive personnel for each product range.

▶ STRONG SALES & MARKETING TEAM :

Spread across India with Branches/Representatives/Channel partners in Andhra Pradesh, Chattisgarh, Delhi & NCR, Goa, Gujarat, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Odisha, Punjab, Rajasthan, Tamil Nadu, Telengana, Uttar Pradesh, Uttarakhand, etc.



NEO BUSINESS INCLUDES :

NEO PAINTS :

Product include Industrial & Decorative Paints.

NEO RESINS :

Product include High Quality Synthetic Resins.

NEO VARNISH :

Product include Electrical Insulating Varnishes & Thinners.

NEO BUILDING MATERIAL :

Mfg. of Waterproofing Coating, Bonding Agents, Admixtures. etc.

NEO PLAST :

Manufacture wide range of Plastic Products of Liner Bags, Garbage Bags, LDPE Shrink Film, LDPE Stretch Film.

NEO BARRELS :

MS Barrels