

# CIS CHEM RCURWB 609

ECO-FRIENDLY, WAX-BASED, CLEAR CURING COMPOUND, SEALER AND DUSTPROOFER

PRODUCT CATEGORY: CURING COMPOUND

## PRODUCT DESCRIPTION

CIS RCURWB 609 is an a wax based non-degrading, single component, clear curing compound. It is also suitable for use as a sealer and dustproof for floors and walls. CIS RCURWB 609 is resistant to UV, abrasion and a range of chemicals. CIS RCURWB 609 is applied by spray at a coverage rate of 5-10m<sup>2</sup>/litr

## USES

Provides a clear curing, sealing, dustproofing compound and acts as a pre-cure finishing aid, which can be used in a wide range of applications:

- High rise construction to eliminate water curing  
Floors, warehouses, slabs and columns Dust proofing concrete walls and floors  
Clear sealer for concrete Self-curing, primer system to subsequent coverings  
Pre-cure finishing aid; enables ease of finishing concrete flat works and pavement by manual steel or mechanical trowel

## SPECIFICATION

Where indicated in the contract documents, the water based curing compound with sealing and dustproofing properties will be CIS RCURWB 609 supplied by CIS .

## CHARACTERISTICS / ADVANTAGES

Eco-friendly - water based, free from solvent, oils waxes, chlorinated or saponifiable materials  
Excellent evaporation controlling compound, resulting in moisture retention  
Excellent moisture retention for freshly placed concrete, resulting in minimising shrinkage cracks  
Suitability for foot traffic UV, chemical and abrasion resistant  
Versatile - can be applied equally well to freshly placed or existing concrete  
Cost effective - can be overcoated with waterbased and solvent based acrylic coatings, epoxy coatings, polyurethane coatings etc.



# CIS CHEM RCURWB 609

ECO-FRIENDLY, WAX-BASED, CLEAR CURING COMPOUND, SEALER AND DUSTPROOFER

PRODUCT CATEGORY: CURING COMPOUND

## STANDARDS

compliance Complies to ASTM C1315 Type 1, class A.

## PROPERTIES

Solids content (ASTM D1644)	: 27%
Moisture retention	: 0.37kg/m <sup>2</sup> (ASTM C156)
Drying time	: 35 - 40 mins @ 20°C (ASTM C135, M 8.3) 10 - 15 mins @ 35°C
UV Resistance	: Resistant - no yellowing, (ASTM G53)
chalking - lighter than gardener	
colour 3 Adhesion of tile cement	
(ASTM C1315/ASTM D4541)	: 1.2 N/mm <sup>2</sup>

## APPLICATION

CIS RCURWB 609 should be applied uniformly by brush, roller or spray, with no overlap of applications. Under standard site conditions, a single coat of CIS RCURWB 609 applied at a uniform rate of 7 to 10 m<sup>2</sup> per litre. Extra porous substrates will necessitate application of CIS RCURWB 609 at a rate of 5 - 10 m<sup>2</sup> per litre. In case of sealing and dustproofing application, 2 coats at the above range must be applied. The second coat should be applied at a coverage of 10 - 15m<sup>2</sup> per litre. The applied film should not be trafficked until fully dry, and care should be taken to ensure that the film is not broken. Spray equipment Motorised or knapsack spray equipment, which produces a fine spray

## COVERAGE

Coverage figures quoted for CIS RCURWB 609 are indicative; and based upon application to fresh or damp concrete at the appropriate time. Care should be taken to ensure that the concrete is indeed ready to accept the curing membrane

. CIS RCURWB 610: 5 to 10 m<sup>2</sup> /litre

## PACKING

50 litre, 100 litre, 200 litre



# CIS CHEM RCURWB 610

ECO-FRIENDLY, ALUMINIUM BASED CURING COMPOUND, SEALER AND DUSTPROOFER

PRODUCT CATEGORY: CURING COMPOUND

## PRODUCT DESCRIPTION

CIS RCURWB 610 is an aluminium based non-degrading, single component, curing compound. It is also suitable for use as a sealer and dustproof for floors and walls. CIS RCURWB 610 is resistant to UV, abrasion and a range of chemicals. CIS RCURWB 610 is applied by spray at a coverage rate of 5-10m<sup>2</sup>/litr

## USES

Provides a clear curing, sealing, dustproofing compound and acts as a pre-cure finishing aid, which can be used in a wide range of applications:

High rise construction to eliminate water curing  
Floors, warehouses, slabs and columns Dustproofing  
concrete walls and floors v Clear sealer for concrete  
Self-curing, primer system to subsequent coverings  
Pre-cure finishing aid; enables ease of finishing  
concrete flat works and pavement by manual steel or  
mechanical trowel

## ADVANTAGES

Eco-friendly - water based, free from solvent, oils  
waxes, chlorinated or saponifiable materials

Excellent evaporation controlling compound, resulting

Eco-friendly - water based, free from solvent, oils waxes, chlorinated or saponifiable materials

Excellent evaporation controlling compound, resulting in moisture retention

Excellent moisture retention for freshly placed concrete, resulting in minimising shrinkage cracks

Suitability for foot traffic UV, chemical and abrasion resistant

Versatile - can be applied equally well to freshly placed or existing concrete

Cost effective - can be overcoated with waterbased and solvent based acrylic coatings, epoxy coatings, polyurethane coatings etc.

## STANDARDS

compliance Complies to ASTM C1315 Type 1, class A.



# CIS CHEM RCURWB 610

ECO-FRIENDLY, ALUMINIUM BASED CURING COMPOUND, SEALER AND DUSTPROOFER

PRODUCT CATEGORY: CURING COMPOUND

## PROPERTIES

Solids content (ASTM D1644) : 35%

Moisture retention : 0.31kg/m<sup>2</sup> (ASTM C156)

Drying time : 45 mins @ 20°C (ASTM C135, M 8.3) 10 - 15 mins @ 35°C

UV Resistance : Resistant -

chalking - lighter than gardener colour 3 Adhesion of tile cement (ASTM C1315/ASTM D4541): 1.2 N/mm<sup>2</sup>

## APPLICATION

CIS RCURWB 610 should be applied uniformly by brush, roller or spray, with no overlap of applications. Under standard site conditions, a single coat of CIS RCURWB 610 applied at a uniform rate of 7 to 10 m<sup>2</sup> per litre. Extra porous substrates will necessitate application of CIS RCURWB 610 at a rate of 5 - 10 m<sup>2</sup> per litre. In case of sealing and dustproofing application, 2 coats at the above range must be applied. The second coat should be applied at a coverage of 10 - 15m<sup>2</sup> per litre. The applied film should not be trafficked until fully dry, and care should be taken to ensure that the film is not broken. Spray equipment Motorised or knapsack spray equipment, which produces a fine spray

## COVERAGE

Coverage figures quoted for CIS RCURWB 610 are indicative; and based upon application to fresh or damp concrete at the appropriate time. Care should be taken to ensure that the concrete is indeed ready to accept the curing membrane

. CIS RCURWB 610: 5 to 10 m<sup>2</sup> /litre

## PACKING

50 litre, 100 litre, 200 litre



# CIS 521 WB

ECO-FRIENDLY, RESIN BASED, CURING COMPOUND, SEALER AND DUSTPROOFER

PRODUCT CATEGORY: CURING COMPOUND

## PRODUCT DESCRIPTION

CIS 521 WB water-based concrete curing compound is formulated from hydrocarbon resins and may be used on interior, exterior, vertical, and horizontal concrete surfaces. Once applied, CIS 521 WB forms a premium-grade membrane that retains an optimum amount of water in freshly placed concrete for complete hydration of the cement.

NOTE: After approximately four weeks, the membrane begins to chemically break down when exposed to UV rays. The membrane will eventually dissipate from the surface. This process is sped up by exposure to traffic and UV light, as well as weathering conditions. This product is formerly known as CIS 521 WB

## USES

CIS 521 WB can be used on both interior and exterior applications. Paint, resilient tile, or resilient flooring may be applied on concrete cured with CIS 521 WB, once the product has dissipated and/or has been properly removed. Because of the wide variety of coatings, paints, adhesives, and toppings available, contact the manufacturer of the flooring system or subsequent coating or topping for application approval over concrete cured with resin-based curing compounds. A small test application is always recommended

## FEATURES/BENEFITS

- When properly applied, CIS 521 WB produces a premiumgrade film, which optimizes water retention
- Furnished as a ready-to-use, true water-based compound.
- Produces hard, dense concrete ... minimizes hair checking, thermal cracking, dusting, and other defects
- Offers a compressive strength significantly greater than improperly cured or uncured concrete.
- Increases tensile strength for greater resistance to cracking and surface crazing.
- Improves resistance to abrasion and the corrosive actions of salts and chemicals..
- Minimizes excessive shrinkage.
- Can be applied quickly and easily with conventional commercial spray equipment.
- Formulations also available with red fugitive dye added (Type 1-D).
- VOC-compliant.



# CIS 521 WB

ECO-FRIENDLY, RESIN BASED, CURING COMPOUND, SEALER AND DUSTPROOFER

PRODUCT CATEGORY: CURING COMPOUND

## COVERAGE

Approximately 200 ft.<sup>2</sup>/gal. (4.91 m<sup>2</sup>/L). Coverage is approximate and may vary depending on surface finish/texture, concrete condition, climatic conditions, etc. Always apply to a test area first to determine actual coverage rate before full-scale application

## SPECIFICATIONS

- AASHTO M 148, Type 1, Classes A & B (Type 1-D also available)
- ASTM C309, Type 1, Classes A & B (Type 1-D also available)
- Complies with all current federal, state, and local maximum allowable VOC requirements, including National EPA VOC Emission Standard for Architectural Coatings, CARB, LADCO, OTC Phase I and II, and SCAQMD.



# CIS POWDER WATERPROOF 521

INTEGRAL POWDER WATERPROOFING COMPOUND FOR PLASTER & CONCRETE

PRODUCT CATEGORY: INTEGRAL WATERPROOFING

## PRODUCT DESCRIPTION

- CIS POWDER WATERPROOF is composed of waterproofing additives, dispersed in inert fine filler. It is an integral
- Powder-waterproofing admixture used for waterproofing of concrete and cement plasters, because It makes
- Concrete cohesive, reduces porosity & improve water tightness.
- Standard compliances / Specification
- Meets the requirements of IS : 2645 – 2003 standard

## TYPICAL APPLICATION

- Basements,
- Roof slabs and screeds,
- Water retaining structures,
- External plastering,
- Bathrooms
- Balconies.

## FEATURES

- Corrosion - Chloride-free hence no chances of corrosion of reinforcement bars.
- Water seepage - As an effective pore filler, helps to fill capillaries and pores to prevent water seepage.
- Consistency - Makes the mix cohesive and denser, hence the concrete & plaster has reduced permeability.
- Economics – Most economical water proofing additive, reduces water absorption.
- Setting & strength - Does not affect the setting time and strength of the cured concrete.
- Compatibility – Compatible with all types & grades of cements

## PACKING:

1 KG

## METHOD OF APPLICATION

### HAND MIXING

- Add CIS Powder Waterproof to the dry mix of cement sand and mix evenly with a spade, until an even mix is



# CIS POWDER WATERPROOF 521

INTEGRAL POWDER WATERPROOFING COMPOUND FOR PLASTER & CONCRETE

PRODUCT CATEGORY: INTEGRAL WATERPROOFING

## METHOD OF APPLICATION

- Obtained.
- Add the measured quantity of potable water as per decided W/C ratio and mix to a homogeneous & uniform consistency concrete / mortars.
- Place the mixed concrete / mortar into shuttering, provided
- Cure the concrete / mortar surface as per regular practices of water curing.

### MACHINE MIXING

- Charge the Cement & sand as per the mix design into concrete mixer & mix for one minute. Add 1Kg of CIS Powder Waterproof for every 50X2 kg bag of cement. & mix for one minute.
- Add the measured quantity of potable water as per W/C ratio and mix for 2-3 minutes to a lumps free Homogeneous concrete.
- Place the mixed concrete mortar into shuttering provided.
- Cure the concrete / mortar surface as per regular practices of water curing.

## PRECAUTIONS & LIMITATIONS

- Do not add CIS Powder Waterproof directly to water.
- Do not add CIS Powder Waterproof in wet concrete/mortar.

Mix with dry mortar composition

## TECHNICAL INFORMATION

PROPERTIES	SPECIFICATION	RESULTS
Appearance		Free Flowing Powder
Colour		Off White
Bulk Density		0.45 G/ML TO 0.60 G/ML
Compressive strength, N/MM2	IS : 2645-83	Matches to control mix
Water permeability	IS : 2645-83	<50% OF CANTROL MIX

## DOSAGE

1 Kg CIS Powder Waterproof for 50x2 kg bag of cement

## HEALTH & SAFETY

- Use rubber hand gloves & safety goggles, while using CIS Powder Waterproof.
- In case of contact with skin, wash with plenty of water.
- Keep out of reach of children'



# CIS SUPERCOAT 204

TWO COMPONENT ACRYLIC CEMENTICIOUS COATING

PRODUCT CATEGORY: WATERPROOFING

## PRODUCT DESCRIPTION

**CIS SUPERCOAT-204** is a high elastic, waterproofing polymer based material. With special waterproofing properties, easy to use by plastering, applying by using a brush and roller or trowel. Can be painted or overlaid. Use with waterproofing for non-toxic water tanks, can be used with drinking water. (Passed the water quality test on toxic substances (heavy metals) of the Water Quality Control Department) Provincial Waterworks Authority. After mixing with cement part, the liquid material can be applied on the desired surface. After drying, it

**looks like a rubber sheet. It has the property to prevent water seeping through, seamless and flexible, not cracking.meets the requirement of ASTM C 190 -1985 standard**

**CIS SUPERCOAT-204** is Two component Aqueous styrene-acrylate copolymer based waterproofing material liquid (modified acrylic polymer) and high Elongination powder. nontoxic substances, environmentally friendly - free Volatile Organic Compound (VOC), excellent waterproofing property - no leakage up to 10 m. hydrostatic pressure ( mixing ratio 5:8.5 liquid : filler)



## PRECAUTIONS & LIMITATIONS

- Do not add water to CIS SUPERCOAT-204 during application
- CIS SUPERCOAT-204 needs 7 days for complete air curing.
- Concrete & masonry surfaces must be cured for 28 days before application

## AREA OF APPLICATION

- Concrete foundations, basements wall and lift pits.
- Swimming pools, water tanks and reservoirs.
- Concealed roofs, parking decks, bathroom, toilet, kitchen, balconies and planters.
- Any other concrete, cement or masonry surface subject to damage from moisture.
- Interior and exterior waterproofing and damp-proofing of concrete, cementitious rendering, brickwork and block work
- Protection of concrete structures against the effects of de-icing salts and freeze-thaw attack
- Pore / blowhole filling

# CIS CONCRECOAT 204

SINGLE COMPONENT ACRYLIC CEMENTICIOUS COATING

PRODUCT CATEGORY: NAPHTHALENE BASED ADMIXTURE

## PRODUCT DESCRIPTION

CIS CONCRECOAT-204 is a high elastic, waterproofing polymer based material. With special waterproofing properties, easy to use by plastering, applying by using a brush and roller or trowel. Can be painted or overlaid. Use with waterproofing for non-toxic water tanks, can be used with drinking water. (Passed the water quality test on toxic substances (heavy metals) of the Water Quality Control Department) Provincial Waterworks Authority. After mixing with cement part, the liquid material can be applied on the desired surface. After drying, it

**looks like a rubber sheet. It has the property to prevent water seeping through, seamless and flexible, not cracking.meets the requirement of ASTM C 190 -1985 standard**

CIS CONCRECOAT-204 is single component Aqueous styrene-acrylate copolymer based waterproofing material liquid (modified acrylic polymer) and nontoxic substances, environmentally friendly - free Volatile Organic Compound (VOC), excellent waterproofing property - no leakage up to 10 m. hydrostatic pressure



## PRECAUTIONS & LIMITATIONS

- Do not add water to CIS CONCRECOAT-204 during application
- CIS CONCRECOAT-204 needs 7 days for complete air curing.
- Concrete & masonry surfaces must be cured for 28 days before application

## AREA OF APPLICATION

- Concrete foundations, basements wall and lift pits.
- Swimming pools, water tanks and reservoirs.
- Concealed roofs, parking decks, bathroom, toilet, kitchen, balconies and planters.
- Any other concrete, cement or masonry surface subject to damage from moisture.
- Interior and exterior waterproofing and damp-proofing of concrete, cementitious rendering, brickwork and blockwork
- Protection of concrete structures against the effects of de-icing salts and freeze-thaw attack
- Pore / blowhole filling
- Sealing fine static cracks in concrete structures not subject to movement



# CIS CONCRECOAT 204

SINGLE COMPONENT ACRYLIC CEMENTICIOUS COATING

PRODUCT CATEGORY: NAPHTHALENE BASED ADMIXTURE

## FEATURES & BENEFITS

**Elasticity** - Highly elastic film formation which accommodates thermal movements.

**Permeability** - Impermeable to water providing excellent waterproofing property.

**Water pressure** - High film built-up to withstand 10m hydrostatic pressure without any leakages.

**Application advantage** - Can be applied on damp surfaces leading to wide range application and instant remedy from moisture.

**Bonding** - Excellent adhesion to concrete and masonry substrates hence longer life.

**Drying** - Quick drying after application & user friendly, faster application.

**Seamless coating** - Forms seamless coating without any joints, prevents water leakage.

**Toxicity** - It is Non-toxic and free of VOC.

**Ease of application** - Easily applied by brush, roller or spray.

## METHOD OF APPLICATION

### Surface Preparation

Allow new concrete and masonry substrate to fully cure prior application.

All surfaces must be free from oil, grease, wax, dirt or any other form of foreign matter which might effect adhesion. Spalled Concrete must be sound before applied. Substrate should be reach a "Saturated Surface Dry" (SSD) condition (damp, without standing water)

### Mixing

- Use Portland cement mechanical mixer at slow speed; add Portland cement part to liquid part in a clean container until a smooth and homogenous slurry mixture is achieved.
- Allow the mixed slurry to stand for 5-10 minutes for releasing air-trapped during the mixing prior to application.
- Mixing material must be use within recommend pot life

### Applications

- CIS CONCRECOAT-204 slurry can be applied by brush or roller. DO NOT dilute with water.
- Recommend Coverage rate is approximately 1.1 kg./m<sup>2</sup>/coat for 1.5 mm. (Minimum 2 coat.).
- Allow the slurry to cure for at least 15-30 min. before applying second coat. Do not leave the first coat to dry longer than 8 hours.
- For tile adhesive application on surface allow surface to cure for 3 days prior.
- If first coat was cure over 8 hours

### Curing

- For maximum protection, allow 12 to 24 hours curing time after second coat.
- Leave CIS CONCRECOAT-204 at least 7 days to cure before filling or sealing water to test leaks.

## COVERAGE

Coverage Approximately 4.5 -6 sq.ft in 2 coats at 1.5 mm DFT coverage may vary depending upon the nature and texture of the substrate

## SHELF LIFE & STORAGE

shelf life is 12 months from the date of manufacturing in unopened condition

# CIS C129 HYBRIDCRETE

ACRYLIC POLYMER MODIFIER FOR CEMENTITIOUS COMPOSITES

PRODUCT CATEGORY: CEMENT MODIFIER AND COATING

## PRODUCT DESCRIPTION

C129 HYBRID CREATE is a white liquid Acrylic Polymer admixture for waterproof coating, bonding agent, repair-mass-in-fill and non-shrink polymer cement grout system.

## AREAS OF APPLICATION

- C129 HYBRID CREATE is recommended for use in the following areas of application
- Waterproof and damp-proof coating in the form of cement slurry/cement mortar
- As a bonding agent on cold/construction joints
- Concrete repair as a patching mortar } Protective layer for cementitious surface
- Injection into concrete/rock structures in the form of cement slurry
- As a mortar or slurry coating for better resistant to chemical attack

## FEATURES & BENEFITS

- Good bonding properties
- Good as a waterproof coating
- Static cracks can be filled with mortar made with C129 HYBRID CREATE
- A good modifier to make repair mortar/concrete
- Durable to UV exposure
- Eco-friendly

## SURFACE PREPARATION

Surface should be sound, clean of oil, grease, dust and other surface contaminants.

Prepared surface should be thoroughly dampened with water preferably over night for application, as a repair plaster. For use as a bonding agent / waterproof coating, concrete or masonry surface must be in a saturated surface dry condition.

### a) Waterproof cement slurry

Mix 1 Litre of "C129 HYBRID CREATE" liquid with 2 Kg of fresh 43 or 53 grade OPC (do not use lumpy or air set OPC or PPC) thoroughly to make smooth brushable consistency. Such mixed material (say 3 Kg.) will provide the coverage between 1.5 m<sup>2</sup> and 2.0 m<sup>2</sup> depending upon surface texture/porosity on a prepared surface. The thickness varies from 0.9 to 1.1 mm





# CIS C129 HYBRIDCRETE

ACRYLIC POLYMER MODIFIER FOR CEMENTITIOUS COMPOSITIES

PRODUCT CATEGORY: CEMENT MODIFIER AND COATING

## PRODUCT INFORMATION

### b) Bonding coat between two courses of concrete/mortar

OPC = 1.75 Kg

Zone III Sand = 1.75 Kg.

C129 HYBRID CREATE = 1 ltr.

Mix to a smooth consistency and then apply by brush. Within 5 minutes of application start placing the concrete over it and compact the mass as usual within 45 minutes. Critical Cold joints/construction joints are not only be well bonded but also will not give rise to any future water leakage. 4.5 kg of mixed material will cover around 2.20m<sup>2</sup> to 2.60m<sup>2</sup> in single coat, which is recommended. The pouring of new concrete/ mortar should be completed within 45 minutes of Bond Coat application

### c) Brush topping

Fresh O.P.C. = 1 Kg.

60/80 mesh quartz sand = 1 Kg.

C129 HYBRID CREATE = 0.60 Ltr.

Mix to a smooth consistency. Apply on a prepared surface by brush. Such 2.6 kg mixed material will provide coverage around 1.3 m<sup>2</sup> to 1.7 m<sup>2</sup> in two coats depending upon surface texture porosity. Thickness varies from 0.8 to 1 mm.

### d) Repair mortar

O.P.C. = 6 Kg.

Zone II sand = 15 Kg.

C129 HYBRID CREATE liquid polymer = 2 ltr.

Such 23 kg mixed material will provide coverage around 1.3 m<sup>2</sup> to 1.7 m<sup>2</sup> in two coats depending upon surface texture porosity. Thickness varies from 0.8 to 1 mm.

### e) Heavy-duty floor topping

O.P.C. = 3 Kg.

Zone II sand = 5 Kg.

C129 HYBRID CREATE = 1 ltr.

Such 9 kg mixed material will cover about 0.80 to 1.0 m<sup>2</sup> surface of 4 to 5 mm thickness.

### F) Injection grouting

O.P.C. = 3 Kg.

C129 HYBRID CREATE = 1 ltr CIS Grout Mix = 30gm.

### G) Adhesive-mortar for tiles, glass, brick etc.

O.P.C. = 3 Kg.

Zone III sand = 6 Kg.

C129 HYBRID CREATE = 1.40 ltr.

Such 10.40-kg mixed material will cover around 1.5 m<sup>2</sup> to 2.00 m<sup>2</sup>. Thickness is about 3 mm.

## PRECAUTIONS & LIMITATIONS

Prepared surface should be thoroughly dampened with water preferably over night before any application

# CIS C129 HYBRIDCRETE

ACRYLIC POLYMER MODIFIER FOR CEMENTITIOUS COMPOSITES

PRODUCT CATEGORY: CEMENT MODIFIER AND COATING

## PACKING

5 ltr, 10 ltr, 20 & 200 ltrs. drums.

## SHELF LIFE

12 Months from the date of manufactures in unopened containers stored at cool & dry place.

## STORAGE

Store in Cool place under the shade.



# CIS C129 ULTRA CRETE

HIGH BOND POLYMER AND CEMENTICIOUS COATING

PRODUCT CATEGORY: CEMENT MODIFIER AND COATING

## PRODUCT DESCRIPTION

CIS ULTRA CREATE is a white liquid Acrylic Polymer admixture for waterproof coating, bonding agent, repair-mass-in-fill and nonshrink polymer cement grout system.

## AREAS OF APPLICATION

CIS ULTRA CREATE is recommended for use in the following areas of application

Waterproof and damp-proof coating in the form of cement slurry/cement mortar

As a bonding agent on cold/construction joints  
Concrete repair as a patching mortar } Protective layer for cementitious surface

Injection into concrete/rock structures in the form of cement slurry

As a mortar or slurry coating for better resistant to chemical attack



## FEATURES & BENEFITS

- Good bonding properties
- Good as a waterproof coating
- Static cracks can be filled with mortar made with CIS ULTRA CREATE
- A good modifier to make repair mortar/concrete
- Durable to UV exposure
- Eco-friendly

## SURFACE PREPARATION

Surface should be sound, clean of oil, grease, dust and other surface contaminants.

Prepared surface should be thoroughly dampened with water preferably over night for application, as a repair plaster. For use as a bonding agent / waterproof coating, concrete or masonry surface must be in a saturated surface dry condition.

## USES

- a) Waterproof cement slurry
- b) Bonding coat between two courses of concrete/mortar
- c) Brush topping

# CIS C129 ULTRA CRETE

HIGH BOND POLYMER AND CEMENTICIOUS COATING

PRODUCT CATEGORY: CEMENT MODIFIER AND COATING

- d) Repair mortar
- e) Heavy-duty floor topping
- f) Exterior Plaster
- g) Injection grouting
- h) Adhesive-mortar for tiles, glass, brick etc.
- I) Passivating Coat

## TECHNICAL INFORMATION

Colour	: Bluish white/milky liquid polymer.
Density	: 1.05 + 0.02 kg/litre.
Bond Strength	: 2 times more than normal cement slurry coating.
Waterproofing	: 10 times higher than the normal cement slurry and mortar under same workability and curing Minimum film forming temperature
temperature	: 5°C

## PRECAUTIONS & LIMITATIONS

Prepared surface should be thoroughly dampened with water preferably over night before any application.

## PACKING

5 ltr, 10 ltr, 20 & 200 ltrs. drums.

## SHELF LIFE

One year from the date of manufactures in unopened containers stored at cool & dry place

## STORAGE

Store in Cool place under the shade.

## HEALTH & SAFETY PRECAUTIONS

Use of rubber gloves, for hand pressing of CIS ULTRA CREAT Emortar recommended.



# CIS DAMP SHILD

DAMP - PROOF COATING FOR INTERNAL WALLS AND RCC WATER TANK

PRODUCT CATEGORY: DAMPROOF WALLS COAT

## PRODUCT DISCRIPTION

CIS DAMP SHILD is a two-component coating composed of epoxy resin, curing agent, inert pigments & properly selected fine fillers, additives in water as a medium. It has an advantage of dilution with water for application over cementitious surfaces. It is used as an internal coating for the dampproofing treatments of water tanks with anti-microbial anti fungal properties. It has excellent water resistance, adhesion to concrete surface, has good hardness and sets faster.

## FEATURES

- Application advantage - It can be applied over damp concrete & plaster surfaces and provides excellent water resistant coating with tough & hard film.
- Microbial resistant - Possesses anti-fungal property and is resistant to micro-organisms.
- Adhesion - Provides excellent adhesion to all cementitious substrates.
- Chemical resistant - Excellent resistance to water, salt water, mild acids, alkalis & soap water.
- Toxicity - It is Non-toxic.
- Eco-friendly - Non-hazardous and non-flammable.
- Economical - Water dilutable with high coverage hence economical.
- Health and sefty - Safe for drinking / Potable water contact.

## TYPICAL APPLICATION

- Dampproofing treatment for RCC water tanks.
- Internal damp wall treatment.
- As putty with OPC- White cement to fill the fine cracks of internal walls. In sterile areas of pharma, food industries & hatcheries etc.

## METHOD OF APPLICATION

### SURFACE PREPARATION

- Clean the surfaces thoroughly, it should be free from oil, grease, dust, dirt, fungus and moss. Thorough wire



# CIS DAMP SHILD

DAMP - PROOF COATING FOR INTERNAL WALLS AND RCC WATER TANK

PRODUCT CATEGORY: DAMPROOF WALLS COAT

brushing followed by sanding with emery paper is recommended.  
Remove the existing paint, neroo or instant lime, etc. while treating internal damp walls

## MIXING

Stir the Base and Hardener thoroughly in their individual packs to achieve the uniform consistency. Pour the Base part in appropriate container followed by the Hardener part and mix them thoroughly to a homogeneous smooth paste. Dilute the mixed compound with water (In ratio of 1 part Base: 1 part Hardener: 1.2 part water) by slow addition and mix it thoroughly to get a brushable consistency.

## APPLICATION

### DAMP-PROOFING OF RCC WATER TANKS

Fill the cracks & grooves with CIS DAMP SHILD and cement modified putty & allow it to dry for at least 24 hours. Apply a coat of CIS DAMP SHILD . Let it dry for 24 hrs as there is no ventilation inside the tank for proper drying.. Apply second coat of CIS DAMP SHILD . Allow it to air cure completely for 7 days. The coating of CIS DAMP SHILD then must be cleaned thoroughly with plenty of water 6-7 times prior to storage of the water to avoid foam formation.

## PUTTY PREPARATION

In case of persistent dampness problems use a coat of putty prepared with Damp PROOF as directed below. Stir the contents of both base and hardener individually to achieve uniform consistency for each. Mix base and hardener together and mix thoroughly to achieve homogenous mixture. Mix 1 part of prepared Damp proof with one part of cement and stir well to achieve a proper consistency of putty Damp-proofing of Internal Walls:

### SURFACE PREPARATION

Clean the existing substrate as mentioned earlier in the surface preparation section.

### APPLICATION

Apply two brush coats of mixed CIS DAMP SHILD at an interval of 6 to 8 hours. Allow it to dry for minimum 24 hours before proceeding for painting. Incase of persistent dampness problems, Apply one coat of CIS DAMP SHILD followed by a coat o f CIS DAMP SHILD Putty prepared as stated above and finally second coat of CIS DAMP SHILD .



# CIS DAMP SHILD

DAMP - PROOF COATING FOR INTERNAL WALLS AND RCC WATER TANK

PRODUCT CATEGORY: DAMPROOF WALLS COAT

## TECHNICAL INFORMATION

PROPERTIES	SPECIFICATION	RESULTS
Nature		Two component
Mixing ratio, By weight (Base : Hardener : Water)		1:1:1.2
Consistency	Free flowing smooth paste	Smooth paste
Pot life at 300C, Minutes	50-80 minutes	60 minutes
Surface drying time	60 to 120 minutes	90 minutes

## THEORETICAL COVERAGE

CIS DAMP SHILD as a coating: 6 to 8 m<sup>2</sup> per kg per coat at DFT 75 microns + OPC Cement putty: 0.6 to 0.8 m<sup>2</sup> per kg per coat. \* Coverage depends upon the nature & texture of the surface.

## SHELF LIFE

Shelf life is 12 months from the date of manufacturing if stored in original and unopened packaging in a cool dry place away from direct sunlight.

# CIS SUPERBINDER

TWO COMPONENT EPOXY BONDING AGENT

PRODUCT CATEGORY: SLAB JOINT EPOXY

## PRODUCT DESCRIPTION

CIS SUPER BINDER is a two part solvent free bonding agent composed of liquid epoxy resin and hardener. It is used for bonding of structural concrete new to old concrete and bonding agent for bricks and steel components because it gives excellent bonding properties to freshly mixed concrete/mortars, glazed bricks, tiles, etc.

## AREAS OF APPLICATION

- CIS super binder for bonding of old to new concrete / mortar.
- To extend or repair structural concrete.
- CIS super binder of glazed brick, tiles, steel & structural members.

## FEATURES & BENEFITS

- Ease of application - Easily applicable by brush as a bonding agent for old to new concrete / mortar.
- Adhesion - Excellent adhesion to almost all building materials.
- Strength - Bond strength exceeds the tensile strength of concrete hence no failure of concrete due to high degree of movements.
- Open time - Comfortable open time to complete the work easily.
- Shrinkage - Very low shrinkage as compared to polymer modified cementitious bonding agents- Water resistance - Excellent water resistance and sealing property prevents leakage.
- Toxicity - Non toxic.
- Moisture tolerant - It is moisture tolerant hence provides strong bond of new concrete to fresh concrete.
- Durability - Very high durable bond.
- Chemical Resistance - Resistant to chemical attack.

## METHOD OF APPLICATION

### SURFACE PREPARATION

- The surface must be thoroughly cleaned and prepared. Remove all loose particles, dirt, dust, laitance, and mould release agents, curing compounds, oils, grease, floor hardeners and any waterproofing materials for best results.





# CIS SUPERBINDER

TWO COMPONENT EPOXY BONDING AGENT

PRODUCT CATEGORY: SLAB JOINT EPOXY

- Remove laitance, dirt and dust by mechanical scarification such as wire brushing, scrapping, scabbling or grit blasting.
- Clean the dust by pressurized air or by washing with water. Oil and grease should be removed by degreasing with solvents like turpentine or thinners. Visible signs of mould growth should be removed & treated with a fungicidal solutions New concrete must be cured completely

## MIXING

- Stir the material of both base & hardener containers to a uniform colour & consistency.
- Transfer the entire quantity of base component into a clean & dry vessel, then poured entire quantity of hardener into the base. The two parts must be mixed thoroughly with a low speed mixer (150 to 200 rpm for about 3 to 4 minutes) to get uniform colour & consistency of the mixed material

## APPLICATION

- Mixed material should be brushed applied on the prepared surface.
- Overlay of concrete / mortar has to be placed on CIS super binder when it is tacky.
- In case CIS super binder has dried, apply a 2nd coat before placing the concrete / mortar.

## PRECAUTIONS & LIMITATIONS

- CIS super binder should be applied on old concrete surface.
- Before CIS super binder get tack free, apply new concrete or mortar.
- If applied coating gets fully dry then apply 2nd coat over it.

## MIXING RATIO

100:90 (base:hardener)

## PACKING

1.8 kg

## SHELF LIFE & STORAGE

- Shelf life is 12 months from date of manufacturing in unopened containers.
- Store at cool & dry place, away from sun heat .

## COVERAGE

- 2 – 3 sq meter / kg depending on the substrate