

BOND1NE[®]
EPOXY ADHESIVES



CIVIL



BONDS TOGETHER FOREVER

HINDUSTHAN SPECIALITY CHEMICALS LIMITED (HSCL)

HSCL is a part of The Hindusthan Group having interests in manufacturing and marketing of epoxy and allied products. HSCL started operations in July' 2015 for manufacturing of epoxy and other allied products in Bharuch, Gujarat. It intends to provide complete solutions to customers with technologically advanced materials through innovation and its principles of sustainability. HSCL's products will find application in civil, construction, coatings, electrical & electronics, composites, laminations, adhesives, tooling and other niche end-use segments.

We are committed to serve quality products to our clients. Our quality lab is equipped with world class instruments which can help us to achieve excellence in both incoming raw materials and outgoing value added products. Our quality team is composed of highly qualified chemists who know the right basics and are competent to test the products for their right application. We value our team and train them for the new technologies that can help achieving results quickly and with great reliability.

HSCL believes in innovation and value added research. We have invested in valuable assets both trained technologists and highly sophisticated instruments. HSCL Research & Development facilities will take care of value-added application tests, our dedicated step in this direction will enable our customers to know the performance of their product in the exhaustive working environments. HSCL aims planned continual growth by its dedicated efforts towards research & development.

VISION



To become a globally recognised manufacturer of Epoxy Resins & Speciality Chemicals by delivering enhanced value for all our stake-holders through best-in-class technology, innovation & differentiated products & services.

MISSION



To invest in sustainable, innovative technologies and operational excellence to deliver growth in strategically targeted markets together with exceptional customer service.

Our state-of-the-art manufacturing unit
Jhagadia, Bharuch in Gujarat



Customer Focus

Our actions are driven by customer insights that help them to create value.



Innovation

We develop new products by relentlessly pursuing "Why & What If". We strive to closely understand customer needs & market insights to create competitive advantage.



Collaboration

Working together, both internally and externally, to create better solutions.



Transparency & Integrity

We demonstrate high degree of transparency and integrity by taking full responsibility of our actions. We are trustworthy in our transparent and ethical manner.



Excellence

We strive to achieve excellence in everything we do through shared knowledge, personal development, continuous improvement, safety and best-in-class execution.



BONDONE[®] SILCRETE

BondOne Silcrete is an epoxy resin based medium viscosity system for civil applications.

It has good filler loading capacity.



Applications

- Terrace and bathroom waterproofing
- Primer and screed in epoxy flooring
- Repairs in railway infrastructure
- Core cut
- Anti rust coating

Features - Benefits

- Low shrinkage and good adhesion
- Water resistant
- Chemical resistant

Mixing ratio by weight (R:H)	Pot life at 25°C 100 gm mass (Min)	Bond Strength (kg/cm ²) at 25°C after 24 hrs.
100:50	65 - 85	Min 70

Coverage | DFT (sq. ft. | microns)

will vary based on surface, temperature and time since mixing

SKUs | Packaging Units

1.5 kg	7.5 kg
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Mix Viscosity (mPas) at 25°C

2000 - 2500

Drying time (min) at 35°C

Surface dry	Touch dry	Hard dry
120 - 130	225 - 235	345 - 355

Shelf life

12 Months

Method of application



Thoroughly clean the surface, it should be clean, dry, dust and grease free.



Check for cracks and hollow patches in surface, fill them with mortar made with BondOne Silcrete. Use same mortar to fill wall to floor joints (fillets)



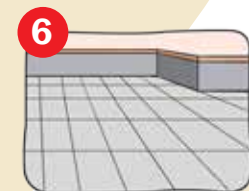
In a wide mouth container thoroughly mix resin and hardener in ratio 100:50 and apply first waterproofing coat with the help of brush or roller.



Apply first coat with the brush or roller.



After 3 - 4 hours apply second coat of epoxy in similar manner as step 4.



Apply epoxy compatible, UV resistant top coat to protect waterproofing layer from sunlight after 3-4 hours.



BONDONE[®] SILCRETE DAMP

BondOne Silcrete Damp is a two component, low viscosity, solvent free primer system designed to give superior bonding & high compressive strength for concrete surfaces even for high humid or wet application areas.



Applications

- Wet and moist surface flooring and repair mortar
- Tank lining for metal and concrete substrate
- Adhesion promoter on moist or marginally pre-treated metal surfaces

Features - Benefits

- Excellent adhesion to wet concrete
- Applicable in high humid and wet area
- Superior substrate wetting, low viscosity, low shrinkage and good adhesion

Mixing ratio by weight (R:H)	Pot life at 25°C 100 gm mass (Min)	Bond Strength (kg/cm ²) at 25°C after 24 hrs.
100:60	50 - 70	Min 90

Coverage | DFT (sq. ft. | microns)

80 - 150 sq. ft. per kg for 50 - 100 microns thickness depends on substrate

SKUs | Packaging Units

1.6 kg	8 kg	48 kg
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Mix Viscosity (mPas) at 25°C

500 - 1000

Drying time (min) at 35°C

Surface dry	Touch dry	Hard dry
For dry surface 80 - 100	For dry surface 120 - 160	For dry surface 200 - 240
For wet surface 110 - 130	For wet surface 160 - 200	For wet surface 240 - 280

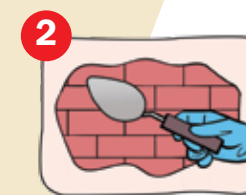
Shelf life

12 Months

Method of application



Clean the wall having damp surface or water seepage.



Go to brick level and clean properly.



Apply BondOne Silcrete Damp coat on damp brick surface, allow to dry for 6-8 hours.



After 24 hours apply second coat of BondOne Silcrete Damp, sprinkle sand on second coat while it is still wet.



Allow to dry for 24 hours and after that proceed with finishing work.



Applications

- Structural repair
- Injection grouting, industrial grouting
- Repairs in railway infrastructure
- Old to new concrete bonding

Features - Benefits

- Chemical resistant
- Mechanical strength
- Superior substrate wetting

Mixing ratio by weight (R:H)	Pot life at 25°C 100 gm mass (Min)	Bond Strength (kg/cm²) at 25°C after 24 hrs.
100:50	210	Min 80

Coverage | DFT (sq. ft. | microns)
NA

SKUs | Packaging Units

1.5 kg	7.5 kg	45 kg
165 kg	345 kg	

Mix Viscosity (mPas) at 25°C
1500 - 2500

Drying time (min) at 35°C

Surface dry	Touch dry	Hard dry
244 - 255	595 - 605	715 - 725

Shelf life

24 Months

BOND1ONE[®] ALLCRETE

BondOne Allcrete is low viscosity modified epoxy resin and medium viscosity polyaminoamide hardener for various civil applications.



Method of application

- Clean the old concrete surface to make it free from dust, grease and contaminants.
- Mix resin and hardener in ratio of 100:50 to form homogeneous mixture.
- Apply on old concrete surface with brush, allow to dry.
- While applied layer is tacky apply new concrete layer.
- Allow to dry for 24 hours to get full strength and proper bonding.



BOND1ONE[®] FLOWTOP

BondOne Flowtop is a two component epoxy floor coating system.



Applications

- Self levelling epoxy flooring top coat.

Features - Benefits

- Clear and stable colour
- High gloss
- Low viscous
- High abrasion resistance

Mixing ratio by weight (R:H)	Pot life at 25°C 100 gm mass (Min)	Bond Strength (kg/cm²) at 25°C after 24 hrs.
100:50	50 - 70	NA

Coverage | DFT (sq. ft. | microns)
6 - 8 sq. ft./kg; 1mm thickness

SKUs | Packaging Units

Resin	5 kg	10 kg	30 kg	240 kg
Hardener	2.5 kg	5 kg	30 kg	

Mix Viscosity (mPas) at 25°C
300 - 600

Drying time (min) at 30°C

Surface dry	Touch dry	Hard dry
2 - 3 hours	7 - 8 hours	24 hours

Shelf life

12 Months

Method of application

- Make sure that floor to be coated should be clean, free from dust, grease, oil. Make sure proper pre-treatment is done.
- Apply BondOne Flowtop Primer: single | double coat based on base surface.
- Lay down screed using BondOne Flowtop Primer and silica sand, thickness will depend on project requirement.
- Mix BondOne Flowtop along silica powder and epoxy pigment paste of desired shade, apply uniformly by high speed dispersing mixture.
- Apply the mixed mass on screed surface and aid self-levelling using roller or other tools.
- Allow to set for 72 hours before starting traffic.

BOND1ONE®
TOPCRETE



BondOne Topcrete is a two component, air drying coating system based on acrylic - aliphatic isocyanate polyurethane system.



Applications

- Exterior waterproofing topcoat
- New construction, bridges
- Offshore structures
- Industrial plants

Features - Benefits

- UV durable
- Chemical resistance
- Abrasion resistance

Mixing ratio by weight (R:H)	Pot life at 25°C 100 gm mass (Min)	Bond Strength (kg/cm²) at 25°C after 24 hrs.
100:25 (Vol)	240 - 300	-

Coverage | DFT (sq. ft. | microns)
110 - 150 (30 -40 micron thickness)/kg

SKUs | Packaging Units

Resin	1 litre	4 litre	30 litre
Hardener	250 ml	1 litre	

Mix Viscosity (mPas) at 25°C
NA

Drying time (min) at 30°C

Surface dry	Touch dry	Hard dry
25 to 30 min	50 to 60 min	12-14 hrs

Shelf life
6 Months

Method of application



Thoroughly clean the surface, it should be clean, dry, dust and grease free.



Check for cracks and hollow patches in surface, fill them with mortar made with BondOne Silcrete. Use same mortar to fill wall to floor joints (fillets).



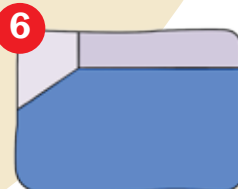
Thoroughly mix resin and hardener in ratio 100:25.



Apply first waterproofing coat with the help of brush or roller.



After 3 - 4 hours apply second coat of epoxy in similar manner as step 4.



Apply epoxy compatible, UV resistant BondOne Topcrete to protect waterproofing layer from sunlight after epoxy coat is dried (6-8 hours). Apply second coat after 24 hours, allow to cure for 48 hours to get best results.

BOND1ONE®
EPIGROUT



BondOne Epigrout is two component water cleanable and stain free epoxy grout.

Ideal for grouting of ceramic tiles, vitrified tiles, mosaics and stones.



Applications

- Laboratory, rest rooms, schools, workshops
- Various industries
- Swimming pools, artificial water bodies

Features - Benefits

- Resistant to many acids, alkalies, corrosives, salt water, oils and fats
- Anti bacterial and anti fungal
- Water cleanable
- No shrinkage and high adhesion

Mixing ratio by weight (R:H)	Pot life at 25°C 100 gm mass (Min)	Bond Strength (kg/cm²) at 25°C after 24 hrs.
100:50	155 - 175	-

Coverage | DFT (sq. ft. | microns)
Will vary based on length, width and depth of groove

SKUs | Packaging Units

1.5 kg	7.5 kg	45 kg	200 kg
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Mix Viscosity (mPas) at 25°C
800 - 1000

Drying time (min)

Surface dry	Touch dry	Hard dry
Workability 1 -2 hours	Foot traffic 24 hours	Heavy traffic 72 hours

Shelf life
12 Months

Method of application



Clean the tiles to make it grease and dust free.



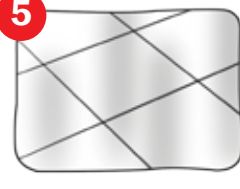
Thoroughly mix resin:hardener:filler in ratio 100:50:450. While mixing add filler till homogeneous paste is obtained.



Using squeegee trowel fill the mixture in gaps between tiles.



Remove excess material from tile joints within 10 - 15 min of application.



Allow to dry for 24 hours for foot traffic and 72 hours for heavy traffic.



Contributing to the development of the Indian economy for more than 6 decades, we are a multi – discipline, multi – location, well diversified industrial conglomerate involved in core sector areas like Engineering, Electricals, Chemicals, Agro Based products, Renewable Energy & Education. We are powered by an able and dynamic team of committed professionals and a vast pool of skilled manpower. Equipped with state-of- art technology, we have industrial units and offices spread across various locations of the country & our team strength has been growing over the years. Continuously seeking initiatives for diversification, expansion and optimization translating into new products and innovations; we have catapulted ourselves into the frontiers of technology in each area of our activities through strategic alliances and mutual partnerships with global leaders and thrusting a major focus on research development and human resources. With such a long and strong history behind us, we have a remarkable foothold in government sectors and overseas market.



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