

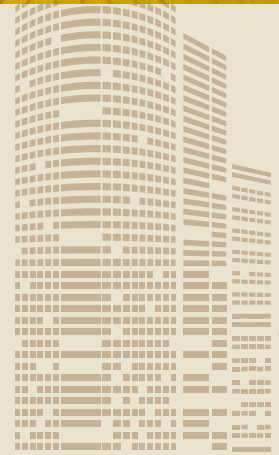
REPAIRS OFFSHORE  
INDUSTRIAL NEW CONSTRUCTION  
PLANTS EXTERIOR WATERPROOFING  
BRIDGES TOPCOAT  
OLD TO NEW CONCRETE  
STRUCTURAL REPAIR **BONDING**  
CORE CUT EPOXY FLOORING  
GROUTING REPAIRS RAILWAY INFRASTRUCTURE  
LABORATORY WORKSHOPS **SWIMMING POOLS**  
REST ROOMS

STRUCTURES



**CIVIL CATALOGUE**

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.

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



VISION

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

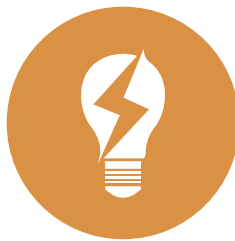
MISSION

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



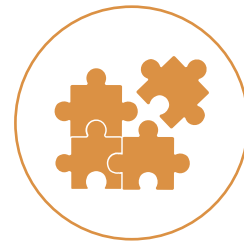
**Customer Focus**

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.



# BOND ONE<sup>®</sup> ALLCRETE

BondOne<sup>®</sup> ALLCRETE resin is a low viscosity modified epoxy resin, while BondOne<sup>®</sup> ALLCRETE hardener is a medium viscosity polyaminoamide hardener used in a wide range of civil applications.

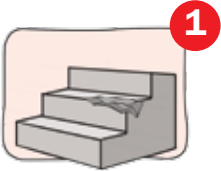
### Applications

- Structural repair
- Industrial grouting, injection grouting
- Repairs in railway infrastructure
- Old to new concrete bonding

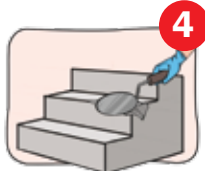
### Benefits

- Chemical resistant
- Mechanical strength
- Superior substrate wetting

## Method of application



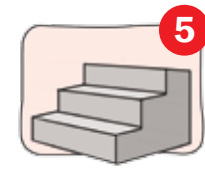
**1**  
Clean the old concrete surface to make it free from dust, grease, and contaminants.



**4**  
While the applied layer is tacky, apply a new concrete layer.



**2**  
Mix resin and hardener in ratio of 100:50 to form homogeneous mixture.



**5**  
Allow 24 hours for drying to achieve full strength and proper bonding.



**3**  
Brush on old concrete surfaces and allow them to dry.

Mixing ratio by weight	Pot life at 25°C 100 gm	Bond Strength at 25°C after 24 hrs
(R:H)	min/°C	(kg/cm <sup>2</sup> )
100:50	210	min 80

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

100 micron thickness = 50 SQFT/Kg

### SKUs | Packaging Units

1.5 kg | 7.5 kg | 45 kg | 165 kg | 345 kg

### Mix Viscosity (mPas) at 25°C

2000-2500 cps

### Thickness

100 microns

### Drying time (min) at 35°C

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

### Shelf life

24 Months





# BOND ONE<sup>®</sup> SILCRETE

BondOne<sup>®</sup> SILCRETE is a medium viscosity modified epoxy resin-based system for civil applications. The convenient mixing ratios and low mix viscosity of the system permit good filler loading.

## Applications

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

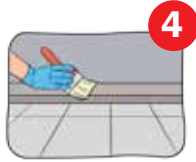
## Benefits

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

## Method of application



1  
Clean the surface thoroughly; it should be clean, dry, dust-free, and grease-free.



4  
Apply the first coat with the brush or roller.



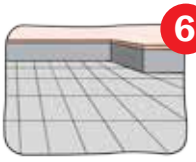
2  
Check for cracks and hollow patches in the surface and fill them with mortar made with BondOne Silcrete. Use the same mortar to fill wall-to-floor joints (fillets).



5  
Apply a second coat of epoxy in the same manner as in step 4 after 3-4 hours.



3  
In a wide mouth container, thoroughly mix resin and hardener in a ratio of 100:50 and apply the first waterproofing coat with the help of a brush or roller.



6  
Apply an epoxy-compatible, UV-resistant top coat to protect the waterproofing layer from sunlight after 3-4 hours.

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

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

100 micron thickness = 50 SQFT/Kg

## SKUs | Packaging Units

1.5 kg | 7.5 kg

## Mix Viscosity (mPas) at 25°C

2000 - 2500

## Thickness

100 microns

## Drying time (min) at 35°C

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

## Shelf life

12 Months



# BOND ONE<sup>®</sup> SILCRETE DAMP

BondOne<sup>®</sup> SILCRETE DAMP is a two-component, low viscosity, solvent-free primer system provide superior bonding and high compressive strength for concrete surfaces, even in highly humid or wet application areas.

## Applications

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

## Benefits

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

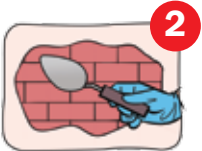
## Method of application



1  
Clean the wall having damp surface or water seepage.



4  
After 24 hours apply second coat of BondOne Silcrete Damp, sprinkle sand on second coat while it is still wet.



2  
Go to the brick level and clean properly.



5  
Before proceeding with finishing work let the surface dry for 24 hours.



3  
Apply BondOne Silcrete Damp coat on damp brick surface, allow to dry for 6-8 hours.

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

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

100 micron thickness = 50 SQFT/Kg

## SKUs | Packaging Units

1.6 kg | 8 kg | 48 kg

## Mix Viscosity (mPas) at 25°C

500 - 1000

## Thickness

50 microns

## 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



# BONDONE® EPIGROUT

BondOne® EPIGROUT is a two-component epoxy grout that is stain-free and water-cleanable. Suitable for grouting ceramic tiles, vitrified tiles, mosaics, and stones.

### Applications

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

### Benefits

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

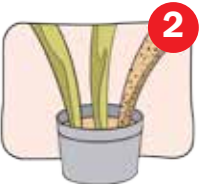
## Method of application



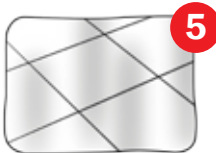
1  
Clean the tiles to remove any grease and dust.



4  
Excess material should be removed from tile joints within 10 to 15 minutes of application.



2  
In a 100:50:450 ratio, thoroughly mix the resin, hardener, and filler. While mixing, add filler till a homogeneous paste is obtained.



5  
Allow it to dry for 24 hours for foot traffic and 72 hours for heavy traffic.



3  
Using squeegee trowel fill the mixture in gaps between tiles.

Mixing ratio by weight	Pot life at 25°C 100 gm	Bond Strength at 25°C after 24 hrs
(R:H)	min/°C	(kg/cm <sup>2</sup> )
100:50	155-175	-

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

100 micron thickness = 50 SQFT/Kg

### SKUs | Packaging Units

1.5 kg | 7.5 kg | 45 kg | 200 kg

### Mix Viscosity (mPas) at 25°C

800 - 1000

### Drying time (min)

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

### Shelf life

12 Months





# BOND ONE® FLOWTOP (PRIMER)

Bondone® Flowtop (PRIMER) is two components epoxy floor coating system. Bondone® Flowtop (PRIMER) Resin is a modified epoxy resin and hardener is liquid amine based curing agent. System specially designed to process and perform in extreme conditions. The cured coating provides glossy finish, excellent resistance to mechanical wear and resistant to mild chemicals.

### Applications

- Epoxy Flooring primer & screed application
- Epoxy Mortar application
- Repairs to existing epoxy flooring

### Benefits

- Excellent adhesion to concrete and metal
- Good chemical and mechanical resistance
- High mechanical strength and capable to bear extreme load

## Method of application



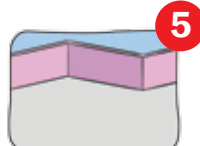
1  
Prepare and clean the surface of the concrete floor to remove any grease and dust.



4  
Apply the first coat with the brush or roller.



2  
Check for crack and hollow patches in the surface and fill them with mortar made with BondOne® Flowtop (PRIMER).



5  
Allow it to set for 24 hours before applying screed or topcoat



3  
Mix resin and hardener in a wide mouth container at a 100:50 ratio.

Mixing ratio by weight	Pot life at 25°C 100 gm	Bond Strength at 25°C after 24 hrs
(R:H)	mass min/°C	(kg/cm <sup>2</sup> )
100:50	40-70	NA

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

100 micron thickness = 50 SQFT/Kg

### SKUs | Packaging Units

Resin: 5 kg | 30 kg

Hardener: 2.5 kg | 15 kg | 30 kg

### Mix Viscosity (mPas) at 25°C

500 - 1000

### Drying time (min) at 30°C

Surface dry	Touch dry	Hard dry
4 - 6 hours	7 - 9 hours	NA

### Shelf life

12 Months





# BOND ONE® FLOWTOP (TOP COAT)

Bondone® Flowtop (TOP COAT) is two components epoxy floor coating system. Bondone® Flowtop (TOP COAT) Resin is a modified epoxy resin and hardener is liquid cycloaliphatic amine based curing agent. The system offers medium pot life, good wetting ability, high gloss and abrasion resistance floor top coatings.

### Applications

- Self levelling epoxy flooring top coat.

### Benefits

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

## Method of application



1 Make sure that floor to be coated should be clean, free from dust, grease, oil. Make sure proper pre-treatment is carried out.



4 Mix BondOne® FLOWTOP (TOP COAT) along silica powder and epoxy pigment paste of desired shade, apply uniformly by high speed dispersing mixture.



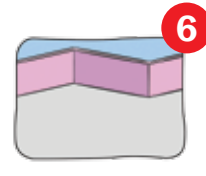
2 Apply BondOne® Flowtop (TOP COAT): single | double coat based on base surface.



5 Apply the mixed mass on the screed surface and aid self-levelling using a roller or other tools.



3 Lay down screed using BondOne® FLOWTOP (TOP COAT) and silica sand. Thickness will depend on project requirements.



6 Allow it to set for 72 hours before starting traffic.

Mixing ratio by weight	Pot life at 25°C 100 gm	Bond Strength at 25°C after 24 hrs
(R:H)	mass min/°C	(kg/cm <sup>2</sup> )
100:50	50-70	NA

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

100 micron thickness = 50 SQFT/Kg

### 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



# BOND1ONE<sup>®</sup> TOPCRETE

BondOne<sup>®</sup> 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

### Benefits

- UV durable
- Chemical resistance
- Abrasion resistance

## Method of application



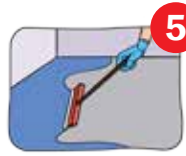
1  
Clean the surface thoroughly; it should be clean, dry, dust-free, and grease-free.



4  
Apply the first waterproofing coat with the help of a brush or roller.



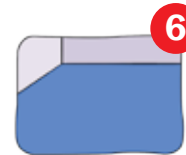
2  
Check for cracks and hollow patches in the surface. Fill them with a filler made with BondOne Silcrete. Use the same mortar to fill wall-to-floor joints (fillets).



5  
Apply a second coat of epoxy in the same manner as in step 4 after 3-4 hours.



3  
Thoroughly mix resin and hardener in a ratio of 100:25.



6  
After the epoxy coat has dried (6-8 hours), apply epoxy compatible, UV-resistant BondOne<sup>®</sup> TOPCRETE to protect the waterproofing layer from sunlight. Apply a second coat after 24 hours and allow it to cure for 48 hours to get the best results.

Mixing ratio by weight	Pot life at 25°C 100 gm	Bond Strength at 25°C after 24 hrs
(R:H)	mass min/°C	(kg/cm <sup>2</sup> )
100:25 (Vol)	240-300	-

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

100 micron thickness = 50 SQFT/Kg

### SKUs | Packaging Units

Resin: 1 litre | 4 litre | 30 litre

Hardener: 250 ml | 1 litre

### 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



# BOND ONE<sup>®</sup>

## SUPER STRENGTH

BondOne<sup>®</sup> SUPER STRENGTH is a multi-purpose, thixotropic, two-component, medium viscous epoxy adhesive system.

### Applications

- Metal to metal and metal to glass bonding
- Plastic to plastic bonding
- Electronics, textile reed and handicrafts
- Automobiles | Construction | Engineering

### Benefits

- Superior bond strength
- Resistance to mild acids and alkalise
- Good chemical resistance

## Method of application



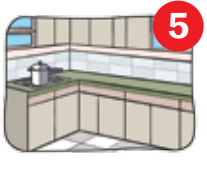
1  
Make sure that application surface | substrate is clean, dry and free from oil, dust, grease and other contaminants.



4  
Apply contact pressure using a suitable fixture. Allow for a 24 hours drying period to achieve full strength



2  
Mix resin and hardener in 100:80 ratio by weight on clean dry and even surface. Mix thoroughly till uniform homogeneous mixture is formed.



5  
Optimum layer of 0.1 to 0.2 mm gives optimum strength.



3  
Apply on surface to be bonded.

Mixing ratio by weight	Pot life at 25°C 100 gm	Bond Strength at 25°C after 24 hrs
(R:H)	mass min/°C	(kg/cm <sup>2</sup> )
100:80	70-90	min 120

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

100 micron thickness = 50 SQFT/Kg

### SKUs | Packaging Units

450 gm | 900 gm | 1.8 kg | 9 kg | 90 kg

### Mix Viscosity (mPas) at 25°C

30,000 - 45,000

### Drying time (min) at 35°C

Surface dry	Touch dry	Hard dry
75 - 85	140 - 150	220 - 240

### Shelf life

24 Months





# BOND ONE<sup>®</sup> SUPER SPEED

BondOne<sup>®</sup> SUPER SPEED is a multi purpose, two component, epoxy adhesive system.

## Applications

- Metal to metal and metal to glass bonding
- Plastic to plastic bonding
- Electronics, textile reed and handicrafts
- Automobiles | Construction | Engineering

## Benefits

- Superior bond strength
- Very low shrinkage
- Good chemical resistance

## Method of application



1  
Make sure that the application surface or substrate is clean, dry and free from oil, dust, grease, and other contaminants.



4  
Apply contact pressure using a suitable fixture. Allow for a 24-hour drying period to achieve full strength.



2  
Mix resin and hardener in a 100:80 ratio by weight on a clean, dry and even surface. Mix thoroughly till a uniform, homogeneous mixture is formed.



5  
An optimum layer of 0.1 to 0.2 mm gives optimum strength.



3  
Apply on surface to be bonded.

Mixing ratio by weight	Pot life at 25°C 100 gm	Bond Strength at 25°C after 24 hrs
(R:H)	mass min/°C	(kg/cm <sup>2</sup> )
100:80	60-80	min 100

## Coverage (sq. ft.)

100 micron thickness = 50 SQFT/Kg

## SKUs | Packaging Units

450 gm | 900 gm | 1.8 kg | 9 kg | 90 kg

## Mix Viscosity (mPas) at 25°C

30,000 - 45,000

## Drying time (min) at 35°C

Surface dry	Touch dry	Hard dry
50 - 60	120 - 130	200 - 220

## Shelf life

24 Months



# BOND ONE<sup>®</sup> POWERTITE

BondOne<sup>®</sup> POWERTITE is a two component, modified epoxy adhesive system.

It gives excellent bond strength with most of substrates like glass, metals, reactive plastics, wood, textile and natural stone.

## Applications

- Artificial jewellery & Jewel stone fixing
- Electrical | Automobile | Engineering components
- Marble | Granite fixing | Construction
- Sports goods

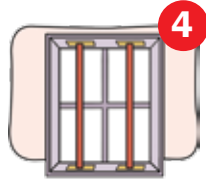
## Benefits

- High bond strength & mechanical strength
- Thermally stable
- Water and chemical resistant

## Method of application



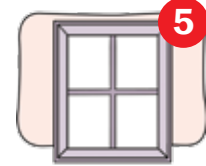
1  
Ensure that the application surface or substrate is clean, dry, and free of pollutants such as oil, dust, grease, and other contaminants.



4  
After application, place the substrate in a stable position for 8–9 hours with suitable support.



2  
Mix resin and hardener in a 100:80 ratio by weight on a clean, dry, and even surface. Mix thoroughly until a uniform, homogeneous mixture is formed.



5  
To achieve full strength, allow for a 24-hour drying period.



3  
With the help of a spatula, apply this mixture to the surface to be bonded.

Mixing ratio by weight	Pot life at 25°C 100 gm	Bond Strength at 25°C after 24 hrs
(R:H)	mass min/°C	(kg/cm <sup>2</sup> )
100:80	65-85	min 95

## Coverage (sq. ft.)

100 micron thickness = 50 SQFT/Kg

## SKUs | Packaging Units

450 gm | 900 gm | 1.8 kg | 9 kg | 90 kg

## Mix Viscosity (mPas) at 25°C

28,000 - 39,000

## Drying time (min) at 25°C

Surface dry	Touch dry	Hard dry
105 - 135	305 - 325	505 - 535

## Shelf life

24 Months

CIVIL PRODUCT RANGE



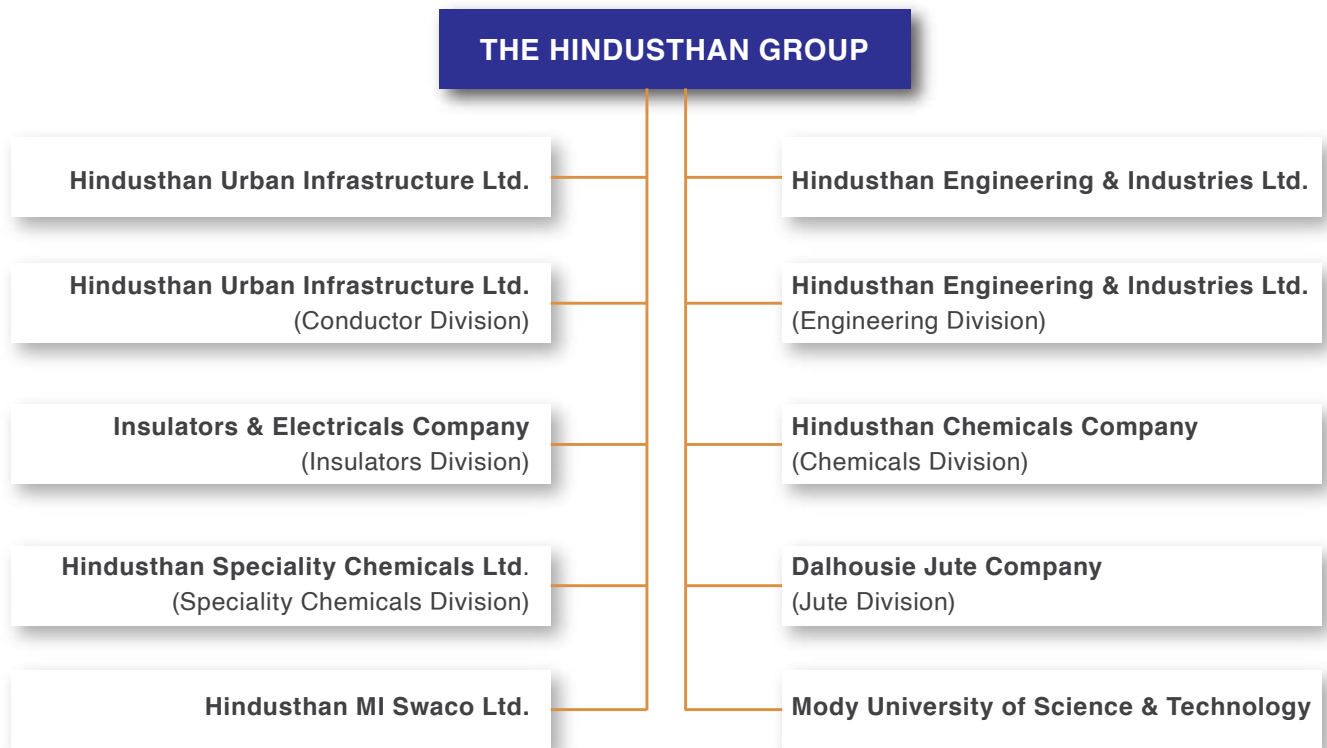






Contributing to the development of the Indian economy for more than 6 decades, we are a multi - discipline, multi - location, well diversified industrial conglomerate involved in core sector areas like Engineering, Electricals, Chemicals, Agro Based products, Renewable Energy & Education. We are powered 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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Regional Presence: **Delhi | Mumbai | Kolkata | Chennai**

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