



High performance acrylic emulsion for concrete and masonry surfaces



webertec crete

## Product description

**webertec crete** is a high-performance acrylic emulsion used for augmenting performance of mortars/concrete/grouts/cement slurry. When used in form of cement slurry, it acts waterproof and damproof coating.

## Features and benefits

- Multipurpose additive for enhancing the performance of concrete/mortar mix.
- Can be used for internal as well as external applications.
- Minimizes shrinkage cracks of concrete.
- Non-toxic; suitable for use in potable water. Improves workability of mixes.
- Makes the structure impermeable to liquids.
- Provides excellent bond to the existing substrate.
- Prevents salt penetration into concrete substrate.

## Typical application

- When blended with cement and embedded glass fiber mesh, it can be suitable for waterproofing of concrete structures like terraces, balconies, basements, toilets, swimming pools, water tanks or any other area.
- Repairs of spalled columns, beams and any other concrete structure for internal as well as external surfaces.
- As a bond coat for bonding of new plasters to the existing substrate in repairs and plastering.
- For injection grouting into concrete/rock structures in the form of cement slurry.

## Performance parameters

PROPERTIES	webertec crete
Appearance	Milky White
Solid Content	30 +/- 1%
Specific gravity	1.03 +/- 0.01 gm/cc
pH	9 – 11
Pot Life – Cement slurry	1 hour @ 25°C

## Directions for use

### Surface preparation

- Clean the surface using a wire brush/scrubber or any other mechanical method to ensure that the surface is free from any loose material, dirt, dust, cement laitance, mould release agents, oil or any bond inhibiting substance like rust, scales, old coatings etc
- At the edges, saw cut concrete in square or rectangular profile to a depth of 10 mm. This would ensure additional bond strength with the subsequent coat.
- Corroded reinforcement bars must be exposed around their full circumference. They must be cleaned to remove rust or any loose material and must be coated with weberprim Epox 501.

## Application method

### As waterproofing slurry coat

- Cementitious surfaces must be saturated thoroughly with potable water before application of subsequent coat. Excess water must be removed.
- Mix webertec Crete and water thoroughly and add cement as per proportions mentioned in "recommendation chart".
- Mixed material must ideally be used in 20-30 minutes after mixing.
- Apply first coat of this mix uniformly using a brush and allow it to dry for 2-3 hours.
- While the first coat is still slightly tacky, fresh-

ly mix the ingredient in proportions mixed previously and apply second coat of this mix in a direction perpendicular to the first coat.

- A 45 GSM glass fiber mesh can also be embedded between 2 coats for additional durability.
- After 7 days cover this layer with a protective screed/ plaster / tiles.

#### As slurry bond coat

- Cementitious surfaces must be saturated thoroughly with potable water before application of subsequent coat. Excess water must be removed.
- Webertec Crete is a ready to use liquid which must be used in the proportions mentioned in "recommendation chart".
- Mix weberetc Crete and water uniformly and then add the powdered ingredients until a uniform lump free consistency is achieved.
- Apply once coat of slurry using a stiff brush, working it well into the surface.
- Stir the mix at regular intervals to avoid settling of cement particles from settling at bottom.
- Place fresh concrete after 30 mins while the applied coat is still tacky.

#### As concrete repair and bedding mortar

- Expose the spalled concrete upto reinforcement bars. Corroded reinforcement bars must be exposed around their full circumference. They must be cleaned to remove rust or any loose material and must be coated with Weberprim Epox 501.
- Apply webertec crete as a bonding agent between existing and new repair mortar as recommended above.
- Mix webertec crete and water in a container separately and mix cement and sand in another container as per proportions mentioned in "recommendation chart". Add the

liquid to the mix to the mixture of sand and cement and mix thoroughly until a uniform consistency mix is achieved.

- Apply this mortar while the bond coat is slightly tacky and build up the cross section to be repaired.
- Mortars admixed with webertec crete shall harden faster and shall be watertight than untreated mortars.
- For higher thickness, apply in multiple layers at interval of 12 hours.

#### As modified plaster

- Mix webertec crete and water in a container separately and mix cement and sand in another container as per proportions mentioned in "recommendation chart". Add the liquid to the mix to the mixture of sand and cement and mix thoroughly until a uniform consistency mix is achieved.
- Apply this mix as per desired thickness using proper tools.

### Recommendation chart

Application	Webertec crete	Cement	Sand	Water	Approximate consumption
Volumetric ratio					
Waterproof slurry coat (2 coats)	1	2	-	-	50 sqft/litre in 1 coat
Slurry bond coat	1	1.5	-	-	40 sqft/litre in 1 coat
Polymer Modified concrete repair mortar	1.5	5	15	4	1 cu. Ft. in 50 kg mix
Modified plaster	1.5	5	20	5	1.2 sqft/kg of mix @ 5 mm thickness

### Curing

As with all structural concrete and cement mortars, good curing practice should be maintained. Water spray, wet hessian or a spray applied curing membrane should be used.

## Limitations and precautions

- Please adhere to recommended mixing ratios to achieve desired results.
- Avoid adding excess water to improve workability of mix.
- Cementitious surfaces must be saturated thoroughly with potable water before application of subsequent coat.
- For bond coat application, the repair mortar must be applied when the surface is tacky. In case the bond coat appears to be hardened, application of another bond coat is recommended.
- For waterproofing applications, apply at least 2 coats of waterproofing slurry. This must be covered with a protective layer.
- For curing of polymers modified mortars, is recommended to cover the surface with a polyethylene film, use wet burlap/gunny bag/hessian cloth. Cure it for 3–5 days. Surfaces must not be ponded with water in any condition.
- Do not apply on plaster, lime plasters, surfaces already treated with paints, resins, or bituminous products, unless totally removed.

## Packing

1 L, 5 L and 20 L.

## 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.

## Health & safety

- In case of skin contact, wash skin with soap & water. Remove contaminated clothes.
- In case of eye splash, immediately splash eyes with plenty of water. Consult Physician if irritation persists.
- There may be irritation caused in eyes and skin in case of contact for a very long time. Please seek medical help if the problem persists for a long time.
- The product is recommended to be applied with gloves.
- To use this product safely, to protect your health and the environment, refer the MSDS and follow the precautionary statements, also labeled on the packaging.

## Disclaimer

User should determine the usability of the product for its intended use. Our products are manufactured under the Saint-Gobain quality standards and subjected to strict quality and control procedures. Since the company has no control over site conditions and the installation procedures, the company would not be responsible under any circumstances for any loss, damage or liability from incorrect usage.



FDS / SDS / DoP  
Product information



<https://goo.gl/d39avs>

Scan QR code to download android app for product information and technical data for our complete product range, directly from your smartphone.



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