

COSTAR SUPERBOND 10

Waterproofer and Bonding Additive for Tiling



PRODUCT DESCRIPTION

Costar Superbond 10 is water-proofer and bonding additive for use with Portland cement and sand to form high strength mortars for the fixing of ceramic, wall, floor, marble, natural or artificial stone.

BENEFITS

- Water and Chemical Resistant
- Resistance to impact and thermal shock
- Increased adhesion
- Improves flexibility

APPLICATION AREAS

- Enhances the property of sand/cement mortars for tiling
- Wherever increased abrasion, water and chemical resistance is required.
- Can also be used to improve adhesion in floor screed and topping

APPLICATIONS INSTRUCTION

Surface preparation

Surfaces should be dry and free from previous coatings, contaminants and loose material and at least four weeks old. Very smooth concrete or concrete with soft laitance should be etched.

Grease or oil should be removed and the area thoroughly washed off and allowed to become completely dry. Dampen the surface and ensure to remove standing water.

Mixing

Any steel reinforcement and formwork should be prepared, cut to size & shape, and made ready for assembly before mixing commences

Ensure that the quantity to be mixed at once does not exceed 25kg. Premix sand and cement for about one minute before adding the desired

quantity of Costar Superbond 10 (Premixed with water if necessary) and then mix for 3-4 minutes. Ensure to protect mixture from direct sunlight.

Mix Design	Mix Ratio	Yield
Thin Bed Application	50Kg Cement 50Kg medium grade Sand 10 liters Costar Superbond 10	50 liters mortar
Thin Bed Application	50Kg Cement 150Kg medium grade sand 10Liter Costar Superbond 10	100 liters
3-10mm Grouting	50-100Kg fine Sand 50Kg Cement 10 liter Costar Superbond	0.06-0.8m ³
Screeding (1:4)	50Kg Cement 2.5Liters Costar Superbond 10 10 liters of water	(depending on the screed moisture requirement)

Application

Apply mixture to surface using notched trowel. Working in areas of approximately 1metre at a time to avoid skinning of the adhesive.

Set dry tiles in bed of mortar, and slightly twist to ensure good adhesion. When tiles are aligned in final position lightly tap using a wooden float. When tile fixing in permanently wet conditions, or fixing heavy decorative cladding apply solid bed to required depth, and "push" the tiles into place. Ensure that the ribs on the back of the tiles are filled in to ensure 100% contact of adhesive.

Grouting should be done after 24 hours of laying tiles.



COSTAR SUPERBOND 10

Waterproofer and Bonding Additive for Tiling



TECHNICAL PROPERTIES

Packaging	20kg, 210kg
Appearance	White liquid
Shelf life	12 months from date of production
Storage condition	Product must be stored in original, unopened, and undamaged sealed packaging in dry condition and temperature between +5 °C and +35 °C.
PH	5.5-6.5
Compressive strength	≥35MPa ASTM C109
Tensile strength	1≥5.5MPa ASTM C190
Specific gravity	Approximately 1.14@25° C
Chloride content	Nil (EN-934-2)
Application temp	Minimum 10° C Maximum 30° C
Substrate temp	+5 °C min. / +35 °C max
Water absorption BS 1881	<1.8%
Shrinkage during cure	0.01%

Note: The Values provided above are those achieved under controlled Laboratory conditions with cement and sands of known quality. Different results may be obtained under site conditions.





COSTAR SUPERBOND 10

Waterproofer and Bonding Additive for Tiling

STORAGE AND SHELF LIFE

Protect from freezing, if frozen or crystallized, thaw gradually and stir to homogenous mixture. Shelf life in unopened original containers is 12 months when stored at 70°F (21°C).

LIMITATIONS

Superbond 20 should not be used when the temperature is below 50C and falling. Do not exceed the maximum recommended water content and only use clean potable water. If any doubts arise concerning temperature or substrate conditions, consult your local Costar Building Product office.

HEALTH & SAFETY

- Please ensure that hand gloves and goggles are worn during installation
- Apply in ventilated areas, away from flames
- It is only important that during application and after application, standard safety procedures are done.
- Please consult current MSDS for product.
- *For Professional Use only.*

STANDARD COMPLIANCE

Conforms to the requirement of EN1504-3

ADDITIONAL INFORMATION

Costarchem manufactures a complete range of construction chemical products which include:

- Concrete admixtures
- Waterproofing system
- Flooring system
- Cementitious and epoxy precision grouts
- Damp-proofing products
- Sealants and adhesives
- Repair and refurbishment systems

For more information on any of our products, please contact Costarchem global or regional office.

LEGAL NOTE

The information and recommendations relating to the application of Costarchem products, are given in good faith based on current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with the stated recommendations in the product datasheets. Whilst Costarchem endeavors to ensure that any advice, recommendation, specification of information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation of information given by it. The user of the product must test the product's suitability for the intended application and purpose. Costarchem reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.