

# ContecBond 105

Water Resistance Admixture and bonding agent for cementitious mixes.

## Description:

ContecBond 105 is a latex based, water resistant bonding agent and admixture for use in areas subject to humidity, dampness and water contact. Improves water resistance of cement mixtures by forming a reinforcing polymer that increases long term durability and flexibility of the mix on renderings and floor screeds.

## Uses:

- As an admixture for mortar, screeds, renders.
- As a bonding agent for screeds/renderers.
- As a primer/sealer in tiling applications.
- To increase flexibility for cementitious based tile adhesive when tiling on wooden/asphalt floors.
- In addition, CTC Bond (SBR) has the advantage over PVA bonding aids in that it is not adversely affected in wet conditions and is therefore recommended for exterior use.

## Advantages:

- Mixes may be applied in much thinner sections.
- Excellent resistance to water and water vapor.
- A high level of resistance to salt permeation.
- Much improved toughness and flexibility.
- Reduced surface dusting of concrete.
- Greatly improved resistance to many chemicals.


- Reduced water: cement ratio for equivalent workability.
- Improved frost resistance.
- **ContecBond 105** is also freeze thaw stable.

## Properties:

Appearance	Milky white
Specific Gravity	1.0 approx.
Composition	Modified Styrene Butadiene Copolymer Latex
Mix Ratios	Mix Ratio is dependent on application being carried out.

## Application:

**Preparation:** Wear gloves and suitable eye/face protection. Ensure surfaces are sound, clean, dry and free from grease, oil, paint, laitance and loose materials. Key surface by scabbling, vacuum grit blasting or planning. For all applications, dampen porous surfaces before applying the appropriate CTC Bond (SBR) slurry. Sands must be well graded, clean. Aggregates must be dust-free.



**Limitations:** Work should not be carried out at temperatures below +5°C or when temperatures are expected to fall below this. Do not overmix. Do not use with other admixtures. Do not add to lime-based mixes. Do not use with high alumina, sulphate resisting or extra rapid hardening cement.

**Bonding Slurry:** For screeds, toppings, renders and coatings. Mix 2 parts cement to 1-part ContecBond 105 by volume to a stiff brush able consistency. Do not add water.

Apply evenly to dampened surface to a nominal thickness of between 1mm and 2mm. Apply screed, topping, render or coating while the slurry is tacky (this normally takes 20 to 40 minutes).

**Floor Toppings and Screeds:** Mix and apply the following mix designs dependent on thickness required:

**For thickness < 12mm**

By Weight	By Volume
Cement 25 kg	Cement 1 part
Sand 62.5 kg	Sand 2 parts
SBR 5 litres	SBR : Water = 1 : 1 Water

**For thickness > 12mm**

By Weight	By Volume
Cement 25 kg	Cement 1 part
Sand 75 kg	Sand 2.5 parts
SBR 5 litres	SBR: Water = 1: 1 Water

5 litres of water is recommended for dry sand mixes. If sharp washed sand is wet, reduce water quantity accordingly. Keep mix just wet enough to obtain good compaction. Finish quickly with a steel trowel.

**External Waterproof Renders Above Ground:**

Apply bonding slurry, stipple to provide a key and allow to dry. Then apply second bonding slurry coat at right angles to the first, stipple to provide a key. Apply render mix while second slurry coat is still tacky.

**Render Coat Mix:**

Cement	25 kg
Sharp washed sand	75 kg
SBR	5 litres
Water	5 litres

5 litres of water is recommended for dry sand mixes. Reduce quantity accordingly if sand is wet.

Apply 2 - 6mm render coats allowing no more than 8 hours between coats. If longer, apply a bonding slurry between coats. Prevent from drying out during the first 48 hours by covering with polythene or mist spraying with water when initially firm.

**Concrete Repair:** If steel reinforcement is exposed,

wire brush or grit blast to remove rust and scale.

Prime exposed steel using a bonding slurry. Allow to dry. Dampen surrounding concrete., then apply another bonding slurry over entire area (including reinforcing) to be repaired. Apply the following mix while the bonding slurry is still wet:

By Weight	By Volume
Cement 25 kg	Cement 1 part
Sand 62.5 kg	Sand 2 parts
SBR 7.5 litres	SBR : Water = 3 : 1

2.5 litres of water is recommended for dry sand mixes. If sharp washed sand is wet, reduce water quantity accordingly.

**Pointing:** Apply bonding slurry into dampened joints. Prime a small area at a time to avoid bonding slurry from drying out before pointing is completed. Point joints with above mix, while bonding slurry is still wet.

**Compatibility:**

ContecBond 105 Can be used with any type of cement.

**Estimating supply:**

ContecBond 105 5,25 Liter and 210 Liter drums

**Storage and shelf life:**

ContecBond 105 has shelf life of 12 months from date of production if stored in dry conditions in unopened original packaging.

**Health and safety:**

Safety precautions: Wear gloves and goggles. If the product gets in contact with eyes or skin, it may cause skin irritation. Wash out with plenty of water.

Ecology: Do not dispose of unhardened product into soil, water or sewer, but dispose off according to local regulations.