

## Corrobond WTA

### Waterproof cementitious tile adhesive



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### Product Features

**Corrobond WTA** is an economical, thin or thick bed, polymer modified water resistant tile adhesive consisting of fine aggregates, fillers and special polymers to give high bond strength adhesive for ceramic tiles, mosaics and porcelain tiles.

Complies to ANSI 118.4

### Typical Uses

**Corrobond WTA** is typically used for fixing of ceramic, mosaics, porcelain and terrazo tiles on concrete, masonry, plastered or rendered finishes for internal or external and wet area applications.

Technical Data		
Properties	Test Standards	Typical Values
Appearance		: Grey or white powder
Bulk density		: 1.5 kg/litre
Water / Powder ratio		: 22 - 24% (5.5 - 6 litres of water per 25 kg bag)
Open time @ 28°C		: 15 - 20 min
Pot life (28°C)		: 60 minutes
Pull off strength @ 28days	BS 1881 Part 207	: > 1.5 N/mm <sup>2</sup>
Flexural Strength	BS EN 196	: > 2 N/mm <sup>2</sup>
Compressive Strength	BS EN 196	: > 12 N/mm <sup>2</sup>
Shear strength @ 7 days	ANSI 118.4	: > 0.8 N/mm <sup>2</sup>
VOC & formaldehyde		: < 1 gm/litre
Applicable standards		ANSI 118.4, EN12004

Note: All values given are subject to 5 - 10% tolerance.

### Directions for Use

#### Preparation

Long term durability and function can only be achieved with good preparation to give a strong adhesive & mechanical bond to the substrate.

Ensure concrete surfaces are clean and free from contamination such as dust, oil, grease, organic growth & release agents.

Newly rendered surfaces should be cured for at least 7 days and be finished using a wood or plastic float to achieve a slightly textured finish that will help adhesion.

Pre-soak porous substrates and tiles with clean water. Remove all standing and excess water prior to application.

Painted surfaces must be scrapped or abraded to expose at least 75% of clean surface.

Expansion joints must not be tiled over.

### Priming

Priming may not be required however if the substrate is particularly absorbent, please apply a sealer coat comprising 3 parts water and 1 part **Corrobond SBR** (see separate data sheet) to the surface.

A second sealer coat may be required if the substrate is very porous.

Dust and surface contamination must be removed prior to subsequent application of **Corrobond WTA**.

### Mixing

It is essential that the mixing instructions are carefully followed to ensure the correct characteristics of the product are achieved. Failure to do so can result in lower performance or even possible failure of the product.

Add one 25 kg bag **Corrobond WTA** to 5.5 - 6 litres of clean water, mixing continuously until a lump-free, creamy consistency is achieved.

Allow the mixture to stand for 10 minutes and remix prior to use.

The mix lasts approximately 1 - 2 hours depending on temperature conditions.

### Application

Spread the adhesive onto the substrate using either a 6 mm x 6 mm notched trowel for wall tiling or a 12 mm x 12 mm notched trowel for floor tiling. The choice of trowel should be governed by the size of tile, the depth of knobs, grooves or ridges on the back of the tile and the evenness of the substrate.

A 6 mm x 6 mm notched trowel is recommended for mosaic tiles.

A thicker bed of adhesive allows for better contact onto the substrate as well as compensating for unevenness particularly in the case of slates.

For tiles with deep grooves on ridges (such as slate or lugged-backed tiles), the adhesive should be butter-coated onto the back of the tiles in addition to being notched trowelled onto the substrate.

Do not spread more than 1 m<sup>2</sup> of adhesive at one time and ensure that the adhesive is wet when the tiles are laid.

### Curing

Allow **Corrobond WTA** to cure fully for 5 - 7 days before exposing to full environmental conditions.

## Corrobond WTA

### Waterproof cement based tile adhesive

#### Hot Weather Conditions

For application above 40°C we recommend adopting the following guidelines:

Store unmixed materials in a cool preferably air conditioned environment.

Avoid exposure of mixed & unmixed materials to direct sunlight.

Use iced water for mixing.

Keep equipment that will be in contact with the product cool and away from direct sunlight.

Avoid application during the hottest time of day.

#### Cleaning

Clean tools & equipment immediately after use with detergent and water.

#### Limitations

Substrate temperatures should be above 5°C and rising.

For application in temperatures above 40°C please refer to hot weather condition recommendation

Avoid application if the work area may be subject to the onset of rain or moving water.

**Corrobond ETA** (see separate data sheet) should be used if the area to be tiled is exposed to chemicals.

All products should be used within the pot life. Materials not used within the specified time should be discarded.

#### Estimating

**Corrobond WTA** pack size: 25 kg. Coverage rate 3.5 - 4 kg per m<sup>2</sup>

**Corrobond SBR** pack size: 20 & 200 litres. Coverage rate depends on concrete porosity. Approximately 3 - 8 m<sup>2</sup> per litre of diluted solution

All coverage rates given are theoretical and subject to actual site conditions. We recommend trial areas are done to establish practical consumption particularly for primers.

#### Health & safety

Always use appropriate PPE including gloves, goggles and a barrier cream to avoid contact with skin and eyes.

Should contact with skin or eyes occur, wash immediately with plenty of clean water and seek medical advice.

If swallowed, seek medical attention immediately. Do not induce vomiting.

Avoid inhalation and ensure adequate ventilation or suitable respiratory equipment if working in confined spaces.

Do not expose products to fire or naked flames under any circumstances.

Always refer to the product Material Safety Data Sheet (MSDS) for full health & safety and handling recommendations.

#### Storage

**Corrobond WTA** has a maximum shelf life of 12 months from the date of manufacture.

To maximize shelf life always store products in their original, unopened packaging in a dry environment, away from direct sunlight with a minimum temperature of 10°C but not exceeding 35°C.

Damaged packaging, high humidity or extreme temperatures may reduce the shelf life.

#### Product Warranty

CCCDrymix product will meet the performance claims stated herein when material is stored and used as instructed in this Technical Data Sheet. CCCDrymix ensures that all its products are carefully manufactured to ensure the highest quality possible and are tested strictly in accordance with universally recognized standards (ASTM, BS, etc.). Since CCCDrymix has no control over the use of the product described herein, no warranty for any application can be given.

