

WP-714 XTRABOND 128

DESCRIPTION:

x'traseal® WP-714 XTRABOND 128 is a single component synthetic polymer emulsion for adding to cement as a bonding agent where good adhesion strength and water resistance are required.

FEATURES:

- Enhance adhesion
- Improve flexural strength
- Improve chemical and abrasion resistance
- Reduce water permeability
- Reduce shrinkage

USES:

WP-714 XTRABOND 128 can be used to improve the quality of cement for following applications:

- Mix with cement as a cementitious bonding slurry for concrete
- For plastering works
- For fixing rendered or bed tiles over uneven concrete surfaces
- Tile fixing mortars

WE RECOMMEND PRELIMINARY COMPATIBILITY TESTS PRIOR TO APPLICATION TO ACHIEVE DESIRABLE RESULTS

NOT RECOMMENDED FOR:

It should not be applied outdoors if it is likely to be rained.

Not for: use in areas of constant water immersion
 Not for: Application temperature / substrate temperature below 5°C.

TECHNICAL & PHYSICAL DATA

Appearance	Liquid
Colour	White
Application Temp.	>5°C
Working time (at 25°C)	40 minutes
Drying time (at 25°C)	6 hours
Curing time (at 25°C)	24 hours
Bond Strength on concrete (7 days)	10kgf/cm2
Consumption	2 kg/m2
Shelf Life	12 Months

SYSTEM STRUCTURE

BONDING SLURRY

	Ratio	Coverage
WP-714 Cement	1 2.5	2 kg/m2

THICK BED MORTAR

	Amount / m ²	Thickness
Mixture of cement: sand: WP-714 (1:3:0.4 - with sufficient amount of water)	Cement: 50kg Sand: 150kg WP-714 : 20kg	100 mm

STORAGE:

Material should be stored in a dry and cool place with temperature below 30°C.

This information is provided in good faith and is believed accurate based on a review of current composition and information supplied by vendors. No warranty is expressed or implied. Liability is expressly disclaimed.



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APPLICATION INFORMATION:

SUBSTRATE PREPARATION

Prior to application, the substrate must be thoroughly clean and dry, free from dust, algae, mildew, fungal, grease and oil.

The substrate must be sound and of sufficient strength. The best adhesion result obtained when smooth substrates are mechanically roughened.

BONDING AGENT/PRIMER

Before priming, the concrete surface should be saturated with clean water and brushed off the excess water.

Apply a thin layer of **WP-714** directly into the substrate surface (0.25 kg/m² approx.). Alternatively, apply primer mixture (0.3~0.5kg/m² approx.) which can be prepared by mixing 1 part of consist with 1~2 part of cement. The primer can be applied by using brush or roller. Ensure all the surface is applied accordingly.

*The cement base patch, render should apply while primer in tacky or wet condition (within 20mins)

RENDERING/PLASTERING

Prepare mixture for rendering or plastering consist of cement; fine sand and **WP-714** (1:3:0.45). Mix all material above in a clean container and stir gently until the mix is homogenous. Dilute with sufficient amount of water to achieve the desired texture finishing. For water proof rendering application, the **WP-714** ratio in the mixture should increase to 0.5.

TILE/BRICKS SLIP BONDING ADHESIVE

Prepare mixture for tile or bricks slip bonding adhesive according to desired mixture bed thickness. Stir gently until the mix is homogenous. Additional water can be added to bring the mixture to the right consistency. Apply right amount of the mixture at the back of each tile/brick slip and push firmly into position.

CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened material can only be removed mechanically.

TIPS

- Do not add extra water (may lead to cracking issue)
- Porous concrete surface should be saturated with water and apply primer layer to obtain optimum adhesion performance.

