

# HI-BOND WP102

## DESCRIPTION

Hi-Bond WP102 is a styrene butadiene rubber latex designed to upgrade the bonding and waterproofing properties of cement/sand based renders, screeds and mortars. This is achieved by increasing tensile and flexural strengths which allows high strength screeds to be laid, down to 6mm thick. In addition screeds and renders can be waterproofed and their resistance to abrasion, frost, water vapour transmission and certain chemicals is greatly improved. The improvements in physical properties is generally superior to those obtained with other modifying agents and Hi-Bond WP102 will not saponify even in wet conditions. Compared with epoxies and polyesters in certain application they provide a simple, ideal, cost saving alternative.

## USES

Water resistant renders and screeds.  
Industrial floors and screeds.  
Bonding new concrete to old.  
Levelling of concrete floors prior to tiling etc.  
Chemical abrasion resistant screeds ideally suited for agricultural uses  
Production of water resistant adhesive for brick slips. Tiles. Artificial stone. Kerbs, copings etc.

## TYPICAL CHARACTERISTICS

Polymer type - Styrene Butadiene Latex.  
Solid Content - 48%  
S.G. - 1.01  
pH - 10.5

## SURFACE PREPARATION & PRIMING

Substrates should be free from all types of contamination i.e. dirt, grease, oils, fats and laitence. Cleaning preferable by grit blasting or mechanical abrading. Prime using Hi-Bond WB61, applying WP102 screed mix whilst still tacky.

## RECOMMENDED MIX

O.P.C. 50Kg  
Dry clean sharp sand (BS882 Grade M) 75Kg  
Dry granite or similar Chipping (Size 3mm) 75Kg  
WP102 Latex 9Ltrs  
Water 9Ltrs

## MIXING

First blend the water with WP102 then add the O.P.C., sand and chipping. A forced action mixer must be used e.g. Creteangle or similar.

The topping should be laid onto the wet/tacky WB61 Primer.

The mix may appear dry, but when compacted and finished with a steel float the surface should close up without giving a heavyskin.

## CURING

Correct curing procedures must be adopted especially in hot dry conditions or in drying winds. The screed must be covered with overlapping polythene sheets for at least 48 hours at 20°C

## STORAGE

Store in sealed containers between 5°C and 30°C

## CLEANING

Hi Solve should be used for cleaning tools, etc.

## HEALTH AND SAFETY

See separate Health and Safety Data Sheet.

## WARRANTY DISCLAIMER

The technical data herein has been compiled for your help and guidance and is based upon our experience. As we have no control over the use to which our information is put, no warranty, expressed or implied is intended or given and we cannot be held responsible for coverage, performance or any damages incurred.

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