



BONDAID PLUS

A water resistant additive and bonding agent for cement systems.

- Improves adhesion of slurry coats and sand/cement mixes
- Increases resistance to salt effervescence
- Reduces water loss from mixes in which it is used
- Improves workability
- Increases flexibility of cement-based materials
- Enhances response to thermal movements

DESCRIPTION

Bondaid Plus is a styrene butadiene copolymer latex which has been specifically designed for use with cement compositions. When incorporated into cement mortar mixes it forms polymer modified systems which exhibit excellent adhesion, improved tensile, flexural and compressive strengths, as well as resistance to water and water vapour. Bondaid Plus mixes are non toxic and can be used with potable water.

USES

Bondaid Plus is a very versatile material which when incorporated into modified mixes may be used for repairing floors, beams, pre-cast slabs, spalled concrete, bedding tiles, abrasion resistant flooring, lining effluent tanks and ducts. Naturally it is also used in structural waterproofing above and below ground and is also used to form a water and vapour resistant bonding coat prior to the application of cementitious slurry coats, renders, plasters or screeds.

PREPARATION

Prior to the application of **Bondaid Plus** either in the form of a primer coat, slurry coat or modified mix the substrate surface must be fully prepared. Refer to Safeguard Data Sheet 25 'General Procedures' for guidance. Any exposed reinforcing steel must be clean and free from grease, oil, scale and rust. If being used to repair spalled or damaged concrete ensure background is cut back to sound material.

STRUCTURAL
WATERPROOFING

SAFEGUARD

MIXING

Bondaid Plus may be used as a concentrated material or diluted with water at varying rates dependant upon its intended use. If used in the gauging water of a sand and cement mix the excellent plasticising properties of **Bondaid Plus** will mean that less water is required. Add any further water cautiously as rapid thinning can occur.

PROPERTIES

Typical properties of a **Bondaid Plus** modified cement and sand mix in the proportions of three parts sand to one part cement with bonding agent incorporated in its concentrated form:-

Compressive strength: 69 N/mm²

Tensile strength: 6.5 N/mm²

Flexural strength: 13 N/mm²

Freeze/thaw resistance: Excellent

Water vapour permeability: Reduced by 96%

Adhesion: Excellent to concrete, steel, brick, glass, etc.

Chemical resistance: Resists mild acids, alkalis, sulphates, chlorides, urine, dung, lactic acid, sugar, etc.

Shrinkage during cure: 0.01%

Resistance to water under pressure – 30 metre head: Excellent – no water penetration

EFFECT ON COLOUR

Bondaid Plus modified mixes may be slightly darker than corresponding un-modified mixes.

CLEANING OF TOOLS AND EQUIPMENT

All tools should be cleaned immediately after use using water. Solvents such as White Spirit or Toluene can be useful in removing hardened mortar.

SAFEGUARD **SWS** RANGE

- SWS Slurry
- SWS Nitrate Salt Neutraliser
- SWS Rapid Setting Plug
- SWS Fillet Seal
- SWS Chloride and Sulphate Salt Neutraliser
- SWS Bondaid Plus

HEALTH AND SAFETY

Full Health and Safety Information Sheet available on request.

SAFEGUARD STRUCTURAL WATERPROOFING SYSTEMS

also includes a very comprehensive range of Cavity Drainage Membranes,

The **CDM** range.

This range includes variety membranes, fixings and sealants and is ideal for fast track dry wall framing systems and floor refurbishment. Please ask for further details.

IMPORTANT

All reasonable care has been taken in compiling the technical data on the company's products. As the conditions of use are beyond the control of the company any recommendations or suggestions regarding the use of such products is without guarantee. The customer should satisfy himself that each product is fit for it's intended use and that the actual conditions and substrate are suitable prior to application.

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