PVA Bond

A HIGH QUALITY MULTIPURPOSE REWETTABLE PVA BONDING AGENT FOR PLASTER AND CONCRETE APPLICATIONS, USABLE ON INTERIOR AND EXTERIOR SITUATIONS.

DESCRIPTION

BondChem PVA Bond is a chemically engineered product specifically designed to be used as a "paint-on-type" bonding agent or as an admixture to grouts, mortars, stuccos, portland cement or gypsum based plasters and compounds. BC PVA Bond is a PVA based bonding agent and comes as a thick milky white liquid. When used as a bonding agent, it forms a glue line type coating that helps create a chemical bond between a compatible substrate and a suitable top layer.

When used as an admixture, BC PVA Bond is blended with the raw ingredients to increase adhesion to the substrate, cohesion between components of the mixture, and to increase the durability and curing of the end product.

BondChem PVA Bond, when painted on the surface, forms a glue line which adds adhesiveness to the critical bonding point when additional concrete or plaster mixes are applied. When it is added to cement or plaster mixes, the spheres of polymer will coalesce or come together to form a film that coats the aggregate particles and the hydrating cement grains. The resulting mixture bonds better to existing concrete, developes higher strengths, reduces chloride moisture penetration and is more resistant to chemical attack than untreated concrete.

ADVANTAGES

As a Bonding Agent

When used as "paint on" coating on a suitable substrate, Bc PVA Bond dries to a uniform film that retains plasticity and never becomes brittle. It re-wets when exposed to wet concrete or plaster mixes creating a 3 way bond (Chemical, Mechanical and Adhesive). Chemical bond is formed as the wet cement mix is applied over the BC PVA Bond causing it to re-wet, forming a bond within crystalline structure of the new material being applied. Mechanical bond is formed as the PVA Bond penetrates into the pores of the substrate forming a mechanical interlock or physical keying. Roughing or scarifying the substrate will give additional mechanical / physical keying. An adhesive bond is formed as the moisture evaporates from the BC PVA Bond developing adhesion within the surface pores of the base material.

As an Admixture

When used as an admixture, part of the mixing water is replaced with BC PVA Bond which results in a mix that has greater adhesion, higher tensile strength and more cohesiveness. Portland cement type mixes become more impact resistant, less brittle and have greater adhesion especially where thin-edging is required.

BC PVA Bond is a beneficial admix when conventional cement mixes cannot be adequately cured. It establishes a superior curing characteristic which is very important to the complete hydration of thin applications of portland cement mixes. It forms a surface skin which reduces water evaporation along with its chemical ability as a polymer to attract and hold water for a complete cure.

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www.Bond-Chem.com

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PHYSICAL DATA.

Appearance	:	White viscous emulsion paste.
Chloride Content	:	Nil.
Solid Content	:	34 % +/- 5.
pH at 25 ^{0}C	:	4.0 – 6.0
Viscosity at 25 ^{0}C	:	80 to 150 poise.
Odor	:	Very Low.
Minimum film forming temperature	:	4 ^{0}C

COVERAGE

200 to 400 square feet / gal., depending on application.

COMPOSITION

BC PVA Bond is a water based blend of synthetic polymer emulsion of high organic polymer content, additives , fillers and plasticizers specifically formulated to be used in construction industry.

COLOUR

Milky White.

CODE OF PRACTICE

BC PVA Bond should be applied in accordance with up - to- date relevant British Standard or B.S. Codes of Practice , details of which can be obtained from British Standard Institute , British Standard House , 2 Park Street , London W.1.

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PACK SIZES

20 kg Jerry cans and 200 kg drums.

STORAGE

BondChem PVA Bond should be stored in tightly sealed original factory containers. Store in a horizontal position to prevent moisture accumulation on the drum head. Protect from freezing and keep out of direct sunlight.

SHELF LIFE

Up to 12 months in properly closed containers. As usual with such adhesives, protect from extremes of heat and cold. Do not store in open and always rotate stock, using oldest material first.

FLAMMABILITY

Being water based BondChem PVA Bond is non flammable.

CLEAN UP

Wash all tools with soap and water.

HEALTH & SAFETY PRECAUTIONS

Do not take internally. Avoid prolonged contact with skin. If swallowed, drink plenty of water, do not induce vomiting, seek medical advice. If splashed in eyes, wash repeatedly with clean water and call physician. As a general Code of Safety Practice all chemical products should be treated with care , kept away from children and animals , especially protect eyes and skin . In an emergency seek medical advice.

General Note :

This leaflet is a guide for the use of the product concerned. Whilst the information and / or specification given are to the best of our knowledge true, accurate and in accordance with latest technical developments, no warranty is given or implied in connection with any recommendations or suggestions made by us, our representatives, agents or distributors as the conditions of use, method of application and any labour involved are beyond our control.

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