

## PRODUCT DESCRIPTION

PlekoBond VHC is a high concentration, single component multipurpose product used as bonding aid, concrete admixture, and sealer. It consists of a specially designed high performance polymerized resins and additives.

## USES

Versatile product used to improve bonding strength of fresh to old concrete, of floor toppings, renders and mortars; and as a concrete admixture to enhance the physical and mechanical properties of mortars, screeds and plasters. Can be used as general adhesive for common construction materials such as wood, polystyrene, plaster boards, acoustic boards...

## APPROVED SUBSTRATES

Can be used on concrete, masonry, cementitious plaster and renders.

## PACKAGING

20 kg in plastic drums

## COVERAGE

5-50 sqm/Kg depending on dilution ration, application and substrate.

Manufacturer does not warrant square meter coverage, which can vary greatly according to application techniques.

## PROPERTIES

- **Economical**
- **Easy to use**
- **Multipurpose**
- **Excellent Adhesion**
- **Resistant to Hydrolysis**

- **Properties Enhancer**
- **Improved Strength**
- **Contains No Iron**
- **Non-toxic, Non Flammable**

## TECHNICAL DATA

Appearance	Viscous White Liquid
Bulk Density (Kg/L $\pm$ 0.5)	1.05
pH ( $\pm$ 1)	7

## INSTALLATION

### MIXING

Mix thoroughly until uniform consistency taking special care to avoid excessive up and down motion with drill and blade.

### SUBSTRATE PREPARATION

Surface must be sound, clean, dry, free of bond-inhibiting materials such as paint, grease, oil, efflorescence, form release agents and curing compounds. All porous surfaces should be presoaked with clean water prior to application.

Exposed steel reinforcements should be treated by adequately removing any corrosion and protected by epoxy coating then allowed to dry.

### APPLICATION

To Seal porous surfaces: Mix 1 part PlekoBond VHC with 10 to 15 parts of water, apply by spray or roller.

As a bonding/priming agent: Mix PlekoBond VHC 1 to 1 with water, Brush vigorously into the presoaked substrate to fill all pores, avoid puddling and remove any excess. The

repair mortar or topping should be applied while film is still tacky.

As a bonding slurry: Mix 1 part PlekoBond VHC with 3 to 5 parts of water, mix with fresh cement and fine sand to achieve a homogeneous brush able slurry consistency. Brush vigorously into the presoaked substrate to fill all pores, avoid puddling and remove any excess. The repair mortar or topping should be applied while film is still tacky.

As an additive for cement mixes: Add PlekoBond VHC (up to 25% of the cement weight) to the previously prepared mixture of sand/cement or sand/cement /gravel and mix with suitable concrete mixer, pan mixer or low speed mixer until homogeneous, avoid overmixing. Apply by steel trowel and finish with a wooden float.

As a general adhesive: After surface preparation, apply undiluted PlekoBond VHC over both faces and allow to become tacky (20 to 30 minutes). Bring surfaces in position, press firmly together, wipe off excess and allow to set for 24 hours.

## LIMITATIONS

Apply only to unfrozen surfaces above 4 °C (40°F). Maintain minimum 4 °C (40°F) ambient temperature for 24 hours after application. Do not allow to freeze. Do not apply to substrates which are wet from dew or rain. Must be protected from rain and freeze until hardened.

## CLEANING

While still fresh, soluble in water. Clean all equipment with water immediately after use.

## STORAGE

Store in cool, dry, well-ventilated area, protected from freeze, heat and direct sunlight and at a temperature

between 4°C (40°F) and 38°C (100°F), in tightly sealed original container. Storage time must not exceed one year.

## HEALTH AND SAFETY

Avoid contact with eyes and skin. Prevent inhalation of dust. For detailed information refer to relevant material safety data sheet.

The product is non-flammable

### Attention

This product is intended for use by qualified professional contractors, as a component of a larger construction system and specification. It should be installed in accordance with given instructions and specifications. Information listed above reflects the criteria for our internal quality test and practical experience. Results depend on listed instructions and consumer skills and are therefore out of our responsibility whether expressed or implied. All values are valid for the product when dispatched from the plant. We reserve the right to change any given specification without notice.