



**domo bond**

**BONDING AGENT**



Manufactured by **Domochemica Co. Ltd** , 2, Propylaeon Str.,Strovolos Industrial Zone  
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## **Description:**

DOMOBOND BONDING AGENT improves the adhesion, bonding and mechanical strength of cement mortars.

## **Features & Advantages:**

DOMOBOND BONDING AGENT allows cement rendering and plaster to be bonded to almost any sound surface without the necessity to hack the surface to form a mechanical key. Porous and dusting concrete sub-floors may be sealed with DOMOBOND BONDING AGENT to minimize dusting and penetration of oil, grease etc. The addition of DOMOBOND BONDING AGENT to plasters and mortars increases tensile strength and resistance to abrasion. It extends workability times, improves plasticity and reduces porosity and cracking.

Avoid using DOMOBOND BONDING AGENT where continuous running water is encountered.

## **Typical Properties:**

- Appearance.....white milky liquid
- Specific Gravity.....approx. 1.05 at 20°C
- Solubility.....Complete in water
- Storage life in..... 12 months manufacturer's container

## **Compatibility with cement:**

DOMOBOND BONDING AGENT can be used with all types of Portland Cement, including Sulphate Resisting Cement. For use with special cements it is recommended that DOMOCHEMICA be consulted.

## **Compatibility with other admixtures:**

DOMOBOND BONDING AGENT is compatible with certain plasticisers and retarding agents and is generally compatible with non chloride accelerators. However, DOMOBOND BONDING AGENT should not be premixed with other admixtures as the performance of the material may be affected by the presence of other chemicals.

## **Packing:**

DOMOBOND BONDING AGENT is supplied in plastic drums of 4 and 20 ltrs.

## **Storage / Handling:**

DOMOBOND BONDING AGENT should be stored under cover. It is NOT affected by frost but should the product freeze, thaw out at 15<sup>0</sup>C - 30<sup>0</sup>C and stir well before use.

DOMOBOND BONDING AGENT is formulated from chemicals which present no fire or health hazard provided normal building practice precautions are observed. Spillages should be washed out with water before they have time to set.

## **Method of Use:**

DOMOBOND BONDING AGENT should be stirred well in its container before use. Surfaces must be sound, stable and clean. Remove surface dirt, loose fragments, oil and grease. Saturate with water and wipe down before commencing treatment.

Do not use DOMOBOND BONDING AGENT at temperatures below 5°C or in wet or rainy conditions. Surfaces exposed to wind or sun or work carried out in hot climatic conditions must be protected against excessively fast drying.

### **a. Bonding slurry:**

DOMOBOND BONDING AGENT can be used as a bonding slurry, for bonding ceramic tiles on freshly laid cement mortars, and for bonding new screeds, renders etc. onto existing cement surfaces.

#### **Mixing ratio:**

DOMOBOND BONDING AGENT ..... 1 part  
Water up to ..... 1 part  
Ordinary Portland Cement ..... 2 parts

#### **Application:**

Apply firmly to the substrate by brush, broom etc. Immediately after the application of the slurry apply the mortar, screeds etc. (fresh over fresh).

### **b. Renders:**

DOMOBOND BONDING AGENT can be used as a liquid additive for mixing with cement-based renders, for interior applications. It improves adhesion, mechanical properties and reduces shrinkage and shrinkage cracking.

#### **Mixing ratio:**

Dilute DOMOBOND BONDING AGENT with 1 to 3 parts of water and add the cement and sand as required.

### **c. Primers and fillers:**

DOMOBOND BONDING AGENT can be used as a primer or a filler for porous cement or gypsum based surfaces.

#### **Mixing ratio:**

DOMOBOND BONDING AGENT ..... 1 part  
Water ..... 3-4 parts

## **Coverage:**

-**Bonding slurry:** About 50 to 200 gr. of DOMOBOND BONDING AGENT per m<sup>2</sup>

-**Screeds and render up to 10 mm thick:** about 350-400 gr of DOMOBOND BONDING AGENT per m<sup>2</sup> for 1 mm thickness.

-**Screeds and renders from 10-35 mm thick:** about 100 gr of DOMOBOND BONDING AGENT per m<sup>2</sup> for 1 mm thickness.

-**For primers and fillers:** depending on the substrate, 20 to 50 gr of DOMOBOND BONDING AGENT per m<sup>2</sup>

**Safety precautions:**

Although DOMOBOND BONDING AGENT is non-toxic, contact with the skin should be avoided and operators are recommended to wear protective clothing.

In case of contact with the skin wash thoroughly with water.

In case of entry into the eyes wash thoroughly with water and seek medical advice.

**Cleaning of Tools & Implements:**

Tools and implements can be cleaned with water before the mix dries. Cleaning is very difficult if mix has dried. In such a case use a solvent, like WHITE SPIRIT.

**Your local contact :**

**WARNING:** Although the technical details and recommendations contained in this product report correspond to the best of our knowledge and experience, all above information must, in every case, be taken as merely indicative and subject to confirmation after long-term application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application; in every case, the user alone, is fully responsible for any consequences deriving from the use of the product.