

# HEX

## HEX BOND2

### كيميكال لياسة

مادة ربط عالية التركيز متعددة الاستخدامات

### PVA BONDING AGENT



مكون أساسي في أعمال اللياسة وتجهيز الأسطح الخرسانية، مادة ربط شديدة الالتصاق ترفع كفاءة اللياسة وتعزز التصاق المونة بالأسطح.

An essential component in plastering work and preparing concrete surfaces for plastering. It is a highly adhesive bonding material that increases the efficiency of plastering and enhances the adhesion of the mortar to the surfaces.



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# DATA SHEET

## HEX BOND2

### Bonding Agent & Admixture for Render & Plaster

#### Uses :

- Works as an admixture with plaster, lime/sand cement screeds, renders, and cement-based mortars.
- Works as a bonding agent and can be sprayed or brushed on green substrates to improve bonding of plasters, patching compounds
- Improves bond, flexural and tensile strength of cementitious mixes
- General reconstruction work
- Use for both internal and external applications



#### Product Description:

HEX BOND2 bonding agent is a single component copolymer acrylic based bonding agent for cementitious materials. It is water-based, specially formulated to enhance bonding properties and improve the mechanical strengths of plaster mixes when incorporated with mixing water. HEX BOND2 reduce shrinkage cracks during the early stages of cement hardening by minimizing surface water loss in freshly applied mixes. HEX BOND2 is ideal for use with Render and Plaster mixes. HEX BOND2 is supplied as ready to use on-site without any dilution for desired applications.

#### Advantages :

- Multipurpose usage.
- It can be used as a bonding agent & admixture.
- Enhances bonding of plaster, sand/cement screed, renders, etc.
- Improves hydration & curing when added to cement-based mixes.
- Improves compression strength & abrasion.
- It adheres well to various construction materials, including concrete, stone, etc.
- Ensure brighter & long-lasting color to architectural finishes.
- Reduces shrinkage & cracks.



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## Technical Data :

HEX BOND2	Typical Values
Appearance	White milky
Density @ 25oC	1.01 Kg/ Ltr approx.
Solid content	15 % approx.
pH @ 25oC	6-8.5
Solid Content:	9-10 %
Cement Compatibility	With all of types of Portland cement
Stability:	Stable in Alkaline conditions
Shelf Life :	12 months

## Standards Compliance:

BSEN 6319 / ASTM C932

## Shelf Life & Storage:

The original sealed pail of HEX BOND2 has a shelf life of 12 months, provided it is stored clear of ground in a dry, shaded place below 36oC.

## Limitations:

- Use the whole material once you opened the pack, as the material starts to skin & then dry. Any part material left in the container must be kept airtight.
- Do not mix with any additives or products unless recommended by HEX BOND2 .
- For further information contact our technical department.

## Usage Instructions :

### **Surface Preparation:**

The surface must be well cleaned and free from loose materials.

Eliminate inconsistent parts, varnishes, grease, laitance, algae through sandblasting or brushing before applying HEX BOND2 .

## Health & Safety:

HEX BOND2 is irritant and harmful; therefore, avoid direct contact with eyes or skin. It is recommended to use protective gloves and goggles during application. In case of contact with eyes, clean immediately with plenty of clean cold water and seek medical advice.

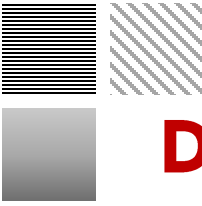
Ensure adequate ventilation when using the material and avoid inhalation of vapors. HEX BOND2 is non-flammable.

Refer to MSDS for product's further information.

### **Application :**

It is recommended to mix the material in the same container before use. Follow the HEX BOND2 addition rates specified by consultant or contractors required for each type of premixed mortar.





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**As Admixture:**

HEX BOND2 can be used as a total or partial replacement of gauging water required for plaster & render mixes. Add the HEX BOND2 to pre-blended sand/cement-based plaster, render, mortar, or other dry mixes. Mix for 3-4 min using a mechanical mixer at low speed. Let the mixture stand for 10 min and mix again briefly to achieve a homogeneous lump-free mixture.

**Packaging & Coverage :**

**As a Primer:**

Use neat HEX BOND2 without dilution. Apply HEX BOND2 using a brush or spray directly onto the substrate. If using a hand pump, spray at a rate of 5 - 5.5 m<sup>2</sup>/liter. While bonding agent is wet to tacky, follow immediately by applying plaster, screed, render, mortars, etc.

**Cleaning:**

Clean tools with water before it hardens. After the hardening, remove its residuals mechanically only.

Product	Pack Size	Theoretical Coverage
HEX BOND2	20 Liters Container	4 - 5 m <sup>2</sup> /Ltr as a bonding agent

Actual consumption depends on the nature of substrate, method of application, and wastage.





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