

PRODUCT DATA SHEET

Reviewed 01/02/2016



YOU CAN'T BUY A BETTER PAINT FOR LESS!™



Bond & Key 4 Plaster

- SECTION A: DESCRIPTION:**
Excelsior BOND & KEY 4 PLASTER, is a high performance, easy to use water-based bonding and keying agent. It can also be used into gypsum plaster and cement plaster mixes to promote adhesion, water repellancy and durability. It bonds weak and powdery previously painted surfaces to strengthen the substrate before top-coat painting. It Improves adhesion of cement and Gypsum plaster to smooth impervious surfaces such as composite board, face brick and other similar substrates.
- SECTION B: COMPOSITION**
Water based co-polymer emulsion
- SECTION C: PHYSICAL PROPERTIES**
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|---------------------|--------------------------------|
| Colour: | White/milky liquid |
| Viscosity: | > 10Ku @ 25°C |
| S.G.: | +/- 1.00 |
| Total Solids: | 18 - 22% |
| Shelf Life: | 12 months |
| Storage Conditions: | Normal, out of direct sunlight |
| Pack size: | 5ltr, 20ltr |
- SECTION D: APPLICATION PROPERTIES**
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|---------------------|---|
| Application method: | Brush, roller or airless spray |
| Spread Ratio: | 8 - 10m ² /ℓ depending on surface porosity |
| Drying Time @ 25°C: | 4 hours (depending on temperature and humidity) |
| Overcoating time: | 4 hours (depending on temperature and humidity) for re-painting, apply cement plaster or gypsum plaster above the coating while still wet for best adhesion |
| Cleaning: | Water |
| Dilution: | Water (not recommended!!) |
| Number of coats: | One or two depending on the condition and porosity of substrate |
- SECTION E: PRECAUTION**
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|--------------|--------------------|
| Flash Point: | None – Water-based |
| Toxicity: | See M.S.D.S. |
- SECTION F: SURFACE PREPARATION**
- WHEN USED AS A PLASTER PRIMER BEFORE TOP-COAT PAINTING:**
- All surface must be clean and dry and free from grease, dirt or old flaking paint
 - Remove all loose material and powder with a stiff brush as best as possible.
 - Apply one liberal coat and allow to dry for 4 hours
 - Assess after the first coat and if the substrate is still not sufficiently bound apply a second coat and check for powdery residue the after 4 hours, if still powdery repeat, if the surface is firm continue with top-coating
- WHEN USED AS AN ADDITIVE INTO A CEMENT MIX OR AS A KEY COAT ON PLASTER:**
- Add 10% of the Excelsior BOND & KEY 4 PLASTER as a partial water replacement when mixing the cement plaster mix or gypsum plaster mix (i.e. 10% product with 90% water) when mixing the slurry.
 - To help with adhesion when smooth surfaces are being plastered apply one coat of Excelsior BOND & KEY 4 PLASTER, while this is still wet make an intermediate plaster mix consisting of 1 part cement, 2 parts plaster sand and mix 50% of the product with 50% water to make the intermediate mix. Apply the intermediate mix liberally using a Tyrelene machine or block brush. Allow to dry and plaster as normal.
 - Allow to dry for 24 hours before recoating with solvent based materials.
 - This product is water-based and therefore water-based topcoats will perform better than solvent based systems
- SECTION G: NOTE**
No guarantees are implied by the recommendations contained herein; since the data sheet is issued for information only. Method of application, surface cleanliness, conditions of use etc. are beyond our control.