

# CASUL® BIN 30

> Product Data Sheet:

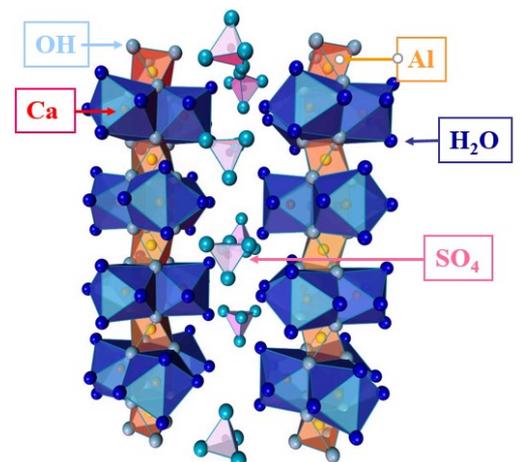
**CASUL® BIN 30** is a product based on a highly concentrated CASUL®-dispersion (slurry) and a styrene acrylate.

**CASUL® BIN 30** is mainly used as a binder for the production of emulsion paints and dispersion plasters (finished plasters). It differs from the pure binder by its share of the white mineral CASUL® and the consequent property of no longer requiring preservatives.

| > Chemical composition           |  |
|----------------------------------|--|
| Chemical identification:         | Calcium aluminate sulfate  |
| Chem. formula:                   | $3 \text{ CaO} \times \text{Al}_2\text{O}_3 \times 3 \text{ CaSO}_4 \times 32 \text{ H}_2\text{O}$ |
| CaO:                             | approx. 13,5 %   |
| Al <sub>2</sub> O <sub>3</sub> : | approx. 8,0 %  |
| Fe <sub>2</sub> O <sub>3</sub> : | < 0,1 %  |
| Na <sub>2</sub> O:               | approx. 0,3 %  |
| Water of hydration:              | 45 %   |
|                                  |  |
| Chemical identification:         | Styrene acrylate dispersion  |
| Chem. formula:                   | $[\text{C}_2\text{COOR}]_n\text{-}[\text{C}_8\text{H}_8]_n$ (R=rest)                               |

| > Technical data and properties     |                                      |
|-------------------------------------|--------------------------------------|
| Appearance:                         | white dispersion                     |
| Crystal habit:                      | needle-like                          |
| Spec. gravity:                      | approx. 1,25g/cm <sup>3</sup> (20°C) |
| pH value:                           | approx. 12,0                         |
| Viscosity (Brookfield):             | 40 – 80 mPas (20°C)                  |
| Dry matter:                         | approx. 60 % (measurement at 40°C)   |
| Minimum Film Formation Temperature: | approx. 0°C                          |

Ettringite, with about 45% by weight of water, is one of the minerals with the highest content of water of crystallization and is therefore voluminous and light.



**> Applications**

- Paintindustry                      White mineral in high-covering and pollution-free dispersion wall paints
- Fire protection                      In building materials and colors: Due to the high proportion of water of crystallization (45%) CASUL® increases fire protection in rooms and buildings.

**CASUL® BIN 30** contains an organic binder, which further increases the abrasion resistance and weather resistance. Due to the needle-like shape and the high water content in the crystal matrix of over 45%, light, voluminous lines of high opacity and high whiteness are ensured.

A thickened **CASUL® BIN 30** - slurry dries very quickly after application and then results in a bright white, smooth mineral film of crosslinked and felted crystals.

**CASUL® BIN 30**

- Optimal flame retardancy - with a water of crystallization content of 45%.
- Without addition of biocides and preservatives
- Suitable for the production of biocidal and preservative-free products

**Handling / Storage / Application**

**CASUL® BIN 30** is preferably supplied in 1000 litre containers. The slurry must be homogenized by stirring before use. Homogenisation in the IBC is necessary 1 to 2 times a month. CASUL® BIN30 can be stored in VA- or PE-plastic containers, aluminium or non-ferrous metals are unsuitable. It should be stored frost-free and protected from direct sunlight.

Es gelten die allgemeinen Geschäftsbedingungen der **REMONDIS** Production GmbH.