

# CASUL® BIN 30

> Product Data Sheet:

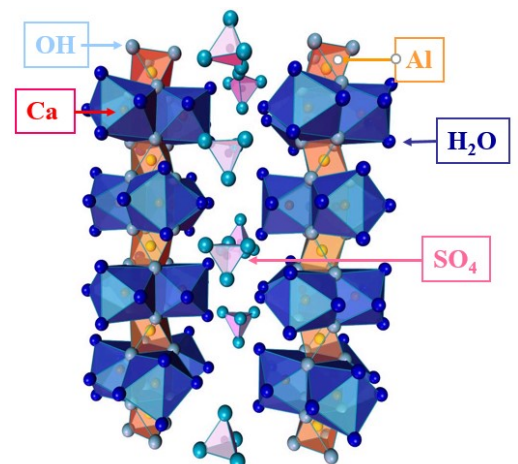
**CASUL® BIN 30** is a product based on a highly concentrated CASUL®-dispersion (slurry) and a styrene acrylate.

**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.