



KRONE Primoplast with FGD

Product information

KRONE Primoplast is a beta-hemihydrate gypsum produced in a boiler, which, in combination with free water, crystallizes to calcium sulphate dihydrate when setting. Beta hemihydrate is produced with high-quality gypsum from natural deposits as raw material. To warrant a consistent quality, gypsums from flue gas desulphurisation plants are added to this product. KRONE Primoplast contains only small amounts of non-sulphate admixtures which are due to geologic conditions; please refer to the substance data provided below. Our special calcination procedure ensures that the formation of unwanted, reactive, thermally generated calcium sulphate anhydrite is avoided. We produce a final product of high grinding fineness and reactivity with the appropriately suited refining and grinding techniques applied by us.

Product properties

KRONE Primoplast complies with the Standard DIN EN 13279-1 Type A. The product is characterised by high purity and optimised grinding. The finely ground material contains no substances added at works to influence its setting, flowing and expansion behaviour.

Areas of application e.g.

- basis for the production of dry mortar formulations;
- special gypsum-based filling compounds;
- secondary processing in the sectors of industry and crafts;
- as additive in chemical constructions products.

Product data

Index of whiteness	≥ 75
pH	6 ... 8
Sieving residue (SR)	
SR on 0.2 mm	≤ 0.1% by weight
SR on 0.1 mm	< 3.0% by weight
Degree of hydration	≥ 80 %

Construction-relevant physical values

Quantity to be poured in	150 ... 162 g
Onset of hardening	16 ± 6 min.
End of hardening	36 ± 8 min.
Bulk density	925 ± 25 kg/m ³
Moisture expansion	approx. 2.0 mm/m
Surface hardness (Brinell)	≥ 15 N/mm ²
Compressive strength	≥ 10N/mm ²
Flexural strength	≥ 3.6 N/mm ²

Safety information

The material itself does not pose any risks. Refer to material safety data sheet, if required.

Contents	Packaging
1,000 kg	Bagged material 25 kg / 40 bags per pallet
1,000 kg	Big Bag
25-27 t	Bulk loading in silo-trucks according to vehicle type

Storage

Can be stored for at least 6 months after the date of delivery, when stored dry.

All information provided has been compiled in due diligence according to the current state of the art and is intended to serve as guideline. Due to the versatility of application and work methods, the information provided is not binding; it does not establish any contractual legal relationship and does not relieve processors from their own responsibility to check our products for suitability, inter alia according to VOB [Construction Contract Procedures]. Our general Terms and Conditions for Delivery and Payment apply. The above data sheet (07/2016) supersedes all previous editions.