Technical Data Sheet

KNOPP GmbH CHEMISCHE PRODUKTE

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PRONTOPP®

AZO Compound 2000 F

CALCIUM SULPHATE BINDING AGENT EN 13454-1 CAB-30

Application area

Synthetic binding agent for producing anhydrite screeds without sinter skin of strength class CA-C25-F4 and above. Particularly suitable for:

- Truck mixer systems
- One-chamber silo systems
- Two-chamber silo systems
- Construction site screed

Screeds made using calcium sulphate binding agent must not be exposed to long periods of moisture. If necessary, a damp-proof membrane in accordance with DIN 18195 must be used to protect against the penetration of dampness. This measure must be specified by the person drawing up the plans for the site planning.

Product description

PRONTOPP® AZO Compound 2000 F is used as a binding agent to create a homogenous, easily processed, self-levelling anhydrite screed. The binding agent already includes all the necessary aids to ensure a comfortable processing of the fresh mortar and a reliable hardening. The outside monitoring is carried out by the MPA Baden-Württemberg.

Product properties

- Short build-in times, considerable pouring output
- Homogenous screed mortar, no extra compacting required
- Low swelling and shrinkage behaviour enabling large areas to be laid with a reduced number of expansion and contraction joints.
- Fast setting and hardening bringing about high early strengths.
- Screed surface without sinter skin; no grinding necessary
- Accessible after 72 hours, partially loadable after 5 days.
- Reinforcement is not required either in the case of thermo floors or under ceramic tiles
- Biologically friendly building product.

Technical specifications

Shrinkage:	0,2 mm/m
Thermal conductivity:	1,2 W/mK
Thermal expansion:	0,01mm/mK
Accessibility:	after 72 hours
Partially loadability:	after 5 days
Ready to lay:	on UFH: < 0,3 CM-% without UFH: < 0,5 CM-%
Max. temperatur of UFH:	≤ 60°C
Fire behaviour:	Non-combustible
Elasticity module:	≈ 22.000N/mm² (CA-CT-25-F4)
Wet mortar reaction:	alkaline
Shelf life:	If stored properly, c. 12 months

CHARACTERISTICS

FEATURES

MATERIALPRÜFUNGSANSTALT UNIVERSITÄT STUTTGART
ÜBERWACHUNG
MPA
MPA STUTTGART
Otto-Graf-Institut (FMPA)

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Forms of supply

Loose in silos

Base materials

Use additives in accordance with BS EN 13139, of aggregates 0/4 or 0/8 mm

Consumption

Strength class and binding agent ratio of PRONTOPP® AZO Compound 2000 F forevery m of screed mortar*:

- (AE 20) CA-C25-F4 > 530 kg
- (AE 30) CA-C35-F5 > 580 kg
- (AE 40) CA-C45-F7 > 620 kg

*The precise consuption depends on the sands being used and the water/binder value. This can be worked out during the first test by our technical department.

Application

- Calcium sulphate screed must never be used on components that touch the earth without moisture barriers.
- Edge strips must be used for all types of screeds, exept bonded screeds. The compressibility of the edge strips must amount to at least 5mm. In the case of larger areas, the compressibility will be greater.
- Always buff in a diagonal manner. In doing so, the first buffing must take place at the lowest point, the second close to the surface.

Aftertreatment

After accessibility the screed must be protected against draughts and direct sunlight for a period of three days (not taking into consideration the day of installation).

Standards and testing regulations

- BS EN 13454-1 anhydrite binding agents
- BS EN 13139 aggregates for mortar
- DIN 18195 waterproofing of buildings and structures
- BS EN 13813 screed material and floor screeds

Comment

The raw materials we process and the products we produce are subject to strict factory inspections. Do not use additives from other manufacturers when using this product. It is stressed that our products and the procedure must be tested for suitability with your circumstances. The additive quality, mixing conditions and processing in accordance with the recognised rules of screed-laying technology are fundamental to the quality of the screed. As we have no control over the construction site conditions or the execution of the work itself, we cannot be held legally liable as a result of the information given in this leaflet. All previous versions of this leaflet shall become invalid with the publication of this leaflet.

FEATURES

PROCESSING INFORMATION

INFORMATION

Stand 02/2013