

ADVANTAGES AT A GLANCE:

- Standardized binder according to EN 13454
- Biologically safe for construction applications
- Environmentally friendly
- Can be laid over large areas without joints
- No edge curling/arching
- No height offset in the joint area
- Early heating
- No reinforcement
- No grinding
- Low shrinkage and swelling
- High strengths
- Rapid drying
- Early forced drying possible

For more information, go to: www.anhydrit.de
or ask your consultant.

PROCESSING INSTRUCTIONS



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**COMPLETE PROGRAM FOR SCREED
PROFESSIONALS
THE PERFECT BASIS FOR THE
FLOOR**

X Anhydritbinder

**CONVENTIONAL CALCIUM SULFATE SCREED
ON THE BASIS OF LANXESS CALCIUM
SULFATE BINDER CAB 30**

WWW.ANHYDRIT.DE

CONVENTIONAL CALCIUM SULFATE SCREED (ANHYDRITE SCREED)

THE CALCIUM SULFATE BINDER (ANHYDRITE BINDER)

The starting product for the production of Calcium Sulfate Binder CAB 30 is synthetic anhydrite, a byproduct of hydrofluoric acid production. Neutralization, controlled grinding and the addition of an activator yields a high-grade binder. The reaction product plaster is obtained by the addition of water during the production of the screed mortar. Unlike plaster of Paris with its very low strength, the plaster produced by reacting calcium sulfate with water is characterized by high strength and outstanding technical properties. LANXESS Calcium Sulfate Binder CAB 30, which bears the CE mark, is a binder standardized according to EN 13454 and subject to external monitoring.

THE CALCIUM SULFATE SCREED

Calcium sulfate screeds comprise a calcium sulfate binder, aggregate, water and screed admixtures. They are suitable for the formulation of all types of screed according to DIN 18560 (screeds in housing construction). This includes bonded screeds, screeds on separating layers and screeds and heating screeds on insulating layers.

EASY ON THE ENVIRONMENT AND SAFE TO PROCESS

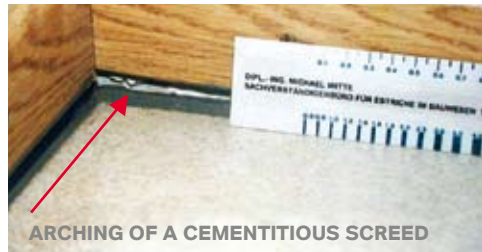
The production of Calcium Sulfate Binder CAB 30 requires no energy for the calcination of the material (the production of cement clinker requires a firing temperature of approx. 1,450 °C, for example). No additional materials, such as slags, ash or other waste products are admixed with Calcium Sulfate Binder CAB 30 during production.

LAY OVER LARGE AREAS WITHOUT JOINTS



Calcium sulfate screeds based on Calcium Sulfate Binder CAB 30 can be laid over large areas without joints (cf. DIN 18560-2 for exceptions). Structural joints must be left in the screed. Edge joints must be as specified in DIN 18560 for the respective screed construction.

NO EDGE DEFORMATIONS



ARCHING OF A CEMENTITIOUS SCREED

NO HEIGHT OFFSET IN THE JOINT AREA



Curling and arching in joint areas (inevitable with cementitious screeds!) do not occur with calcium sulfate screeds based on Calcium Sulfate Binder CAB 30.

EARLY HEATING OF HEATING SCREED

With heated screeds, heating according to a heating protocol can begin as early as the seventh day after laying of the screed.

With cementitious screeds, the earliest that underfloor heating can be brought into operation is 21 days after laying of the screed. This saves 14 days versus cementitious screeds.

NO REINFORCEMENT

Calcium sulfate screeds are laid without reinforcement. Reinforcement in the form of steel mats or fibers (plastic, steel or glass fibers) have no technical benefits and are thus not required.

NO GRINDING

Grinding (removing casting or lime skin) as with calcium sulfate flowing screeds is not necessary.

LOW SHRINKAGE AND SWELLING

Shrinkage and swelling of calcium sulfate screeds based on Calcium Sulfate Binder CAB 30 is negligible (< 0.1 mm/m).

Thermal expansion is approx. 0.01 mm/mK, an ideal value for the laying of ceramic or natural stone floor coverings, as these floor coverings exhibit roughly the same thermal expansion behavior as the screed.

HIGH STRENGTHS

Rapid curing and hardening impart calcium sulfate screeds with high initial hardnesses; under normal construction site conditions, they can be walked on after only three days and can support loads after seven days.

RAPID DRYING

Drying progresses rapidly due to the favorable pore structure of the calcium sulfate screeds.

Calcium sulfate screeds even dry at relative humidities of up to 80 %. This humidity level brings the drying of cementitious screeds to a standstill.

EARLY FORCED DRYING POSSIBLE

Calcium sulfate screeds can be safely force dried from the time they are walkable.

Condensation dryers are used as building drying devices in this case. This enables construction delays caused by other crafts to be made up.

IMPORTANT

Calcium sulfate screeds based on Calcium Sulfate Binder CAB 30 should always be formulated with LANXESS screed admixtures tailored to this binder.

THESE INCLUDE:



FOR SCREEDS IN HOUSING AND OFFICE CONSTRUCTION



FOR SCREEDS IN INDUSTRIAL CONSTRUCTION



FOR THE ACCELERATION OF DRYING