

# Floor 4095 Alpha smoothing screed

## Calcium sulphate smoothing compound

### Product description

Floor 4095 Alpha smoothing screed is a calcium sulphate based, polymer-modified fine smoothing screed, for use at thicknesses between 2-10 mm. It is a high quality smoothing and levelling screed based on a calcium sulphate binder, and is formulated to meet the requirements of the European recommendation CA-C25-F7 according to EN 13813.

### Field of application

Floor 4095 Alpha smoothing screed is used for correcting minor level deviations and repair of damage to thick, calcium sulphate floor screeds. Floor 4095 Alpha smoothing screed can be used in commercial and domestic applications on bonded, unbonded and floating floors.

### Working instructions

Light ventilation in the work area is necessary, but windows and openings must be closed sufficiently to avoid draughts, during and after application. Indoor and floor temperature should exceed + 10C during and after application and for one week after that. The relative humidity of the ambient air must not exceed 70% to allow efficient drying of the primer. Insufficient drying time or poor film formation due to low temperatures, and/or high humidity, may result in pinholes in the levelling layer

### Properties

- very high flowability
- pumpable
- easy workability
- very low shrinkage
- suitable for castor wheels with minimum layer thickness of 1 mm
- especially designed for use on calcium sulphate screeds
- suitable on floor heating

### Substrate

Floor 4095 Alpha smoothing screed is suitable to apply on the following substrates: Cementitious screeds, concrete, magnesia screeds and dry screed elements. Especially suitable on top of calcium sulphate screeds.



### Preparation and Priming

The substrate should be clean, dry, free of dust, grease, and other impurities that might prevent adhesion. If it is a large area the surface should be treated by mechanical preparation by grinding or shot blasting. The surface strength of the substrate has to be at least 0.5 MPa (N/mm<sup>2</sup>). The substrate is vacuum-cleaned and primed with Floor 4716 Dispersion primer according to maxit substrate recommendations. Dry and very porous substrates must be treated twice. Large irregularities (>10 mm) should be pre-filled before Floor 4095 is used.

### Mixing

Floor 4095 Alpha smoothing screed can be applied to larger areas using a mixer pump approved by maxit. The material is mixed with 23-24% clean water. The flowing properties of the screed are checked before and during pumping with the maxit flow-ring test. For manual application the smoothing compound should be mixed with a powerful paddle mixer for approx. 1-2 minutes. Suitable water amount is approx. 5.75 - 6.0 litre per 25 kg bag. Excess water causes separation and weakens the strength of the screed surface, therefore do not use excessive amount of water.

Drill with paddle mixer suitable for smoothing compounds  
m-tec Duomix 2000

### Application

Manual application - Floor 4095 Alpha smoothing screed can be applied by hand in layers of 2-10mm thick. After application the wet screed should be finished using a serrated hand trowel.

Mechanical application - Floor 4095 Alpha smooth can be mechanically applied in layers of 2-10mm thick. After application the screed should be finished using a serrated trowel or spiked roller. The maximum width of the pumpable area varies from 10 to 12 metres. Wider areas can be temporarily divided with stop-ends.

## Practical advice

Floor 4095 Alpha smoothing screed needs to be covered with a floor covering. Make sure that the chosen floor covering and adhesive is applicable on Floor 4095 Alpha smoothing screed. In case of doubt concerning application, substrate or construction characteristics, contact maxit for advice.

## Storage

Under dry conditions and undamaged bags; 6 months after date of production.

Longer periods may have an effect on the levelling properties.

## Package

25 kg bags,

42 bags to a pallet

## Environmental advice

GISCODE CP 1

Product hardens after mixing with water and can be disposed of as construction waste like cementitious screeds or mortar.

## Safety instruction

Product has a strong alkaline reaction with water; therefore protect skin and eyes. Wear tightly sealed goggles, protective gloves and protective work clothing. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. A Safety data sheet is available upon request. Hardened material is physiological and environmentally harmless.

<b>Equipment cleaning</b>	With water
<b>Application temperature</b>	Substrate: +10°C to +25°C Air: +10°C to +30°C
<b>Certificate ISO 9001</b>	Certificate ISO 9001
<b>Drying time before covering</b>	after 24 hours (for thicknesses above 5 mm, after it has reached a CM-value of 0.3%) at 20° C and 65% relative humidity
<b>Maximum thickness</b>	10 mm
<b>Minimum thickness</b>	2 mm
<b>Water demand</b>	approx. 23-24 %
<b>Compressive strength class</b>	C 25

<b>Compressive strength (28 day)</b>	> 25 MPa (N/mm <sup>2</sup> )
<b>Flexural strength class</b>	F 7
<b>Flexural strength (28 day)</b>	> 7 MPa (N/mm <sup>2</sup> )
<b>Flow rate according to (maxit standard)</b>	220 - 240 mm
<b>Hardening time (before foot traffic)</b>	approx. 3 hours
<b>Hardening time (before light traffic)</b>	24 hours
<b>Physical requirements (Reaction to fire)</b>	A 1
<b>Pot life</b>	approx. 25-30 minutes after adding water depending upon relative air humidity.
<b>Product code</b>	FLOOR 4095
<b>Material consumption,</b>	1 mm = 1.6 kg 5 mm = 8.0 kg 10 mm = 16 kg

[nbsPlus Stamp](#)

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