



ALTA FIBER MAT AR 370



Alkali-resistant glass fiber mat for improving the quality of cementitious construction products

Fields of application

ALTA FIBER MAT can be added to all mineral-bound building materials such as precast concrete parts, screeds, special components and mortars. Depending on the dosage, several quality improvements are achieved, which have a positive effect on the building materials. ALTA FIBER MAT has a density similar to that of concrete, which prevents it from sinking or floating in the concrete.

Technical data

		Tolerance +/-	Test Method
Finished weight:	215 (g/m ²)	5,0%	DIN 53854
Clear MW (mm)			
Warp	45,0	0,2	
Weft	44,0	0,2	
Strength (N/5 cm)			DIN 53857T1
Warp	1800		
Weft	2300		

Processing

The ALTA FIBER MAT can be cut to size with standard scissors. If possible, the mat should always be placed in the middle of the component. For this purpose, it is recommended to insert the mat by hand halfway through concreting. It must be ensured that the mat is not bent. Depending on the component, the mat can also be carefully pressed into the concrete.

Product advantages

Increase of flexural strength, minimization of hairline cracks, no rotting or corroding, increase of durability of the concrete, serves as crack reinforcement, lower concrete cover possible, UV stable.

Product



Features

ALTA FIBER MATS are manufactured from alkali-resistant direct rovings. The components of these rovings are direct drawn AR glass fiber filaments and specially designed sizings.
-- alkali-resistant sodium zirconium silicate glass with a zirconium oxide content (ZrO₂) > 16%.

ALTA FIBER MATS exhibit durable resistance in acidic and alkaline media. resistance in acidic and alkaline media. Due to the arrangement of all fiber strands in a right-angled direction, the mats are dimensionally stable.

Packaging

1 roll (100 x 1 m)	à	100 m ²
1 roll (100 x 2 m)	à	200 m ²
1 roll (50 x 2 m)	à	100 m ²

Weight

m ²	215 g
roll	22 / 44 kg

Storage, shelf life

ALTA FIBER MAT should be stored in a dry place. With proper storage, shelf life is possible for years.