



Technical Information Sheet Article No. 0910

Estrix

Screed modifying agent, 1:100 in water
Synthetic wetting agent as an aqueous preparation

Range of use

Estrix can be used for screed with or without a bond, with floor heating, in community, industrial and residential construction as well as for special ready-mixed screeds.

Property profile

Remmers Estrix is a special plasticizer for plastication and screed refinement. In fresh screed mortar it allows more thorough mixing of the material and makes the material **easier to work, compact and smooth** and also allows longer transport times (3-4 hours) by retarding the setting process. Since up to 15% water is saved, the screed gives off less water and with less water being given off, the surface is easier to rub which helps to prevent dusting. Air pore formation of more than 10% by volume results in improved water vapour diffusion and faster drying. At normal climate, the set screed can be subjected to foot traffic after 1-2 days and can be covered relatively quickly (approx. 8-14 days, depending on ambient conditions).

Directions

Remmers Estrix is added to the screed mixing water in a ratio of 1:100 and stirred until it has dis-

Characteristic data of the product

Density (DIN 51 757) at +20 °C:	approx. 1.03 g/cm ³	
pH value (DIN 53 785):	≤ 9	
Halogen content (Schöninger decomposition):	≤ 0.1 % by mass	
Viscosity (DIN 53 211) at 20 °C, nozzle 6:	approx. 5 sec.	
Quality control:	composition and quality	
Setting time (DIN 1164):	with addition	without addition
Setting begins:	approx. 2.5 h	approx. 2.0 h
Setting ends:	approx. 3.0 h	approx. 2.5 h
Air pore content:	> 10 % by vol.	> 5 % by vol.
Strength (DIN 1164) on mortar 1:4 parts by weight		
Water/cement ratio:	0.43	0.50
Flexural tensile strength:	2 days ≥ 3 N/mm ²	≥ 2 N/mm ²
	7 days ≥ 4 N/mm ²	≥ 4 N/mm ²
	28 days ≥ 6 N/mm ²	≥ 6 N/mm ²
Compressive strength:	2 days ≥ 15 N/mm ²	≥ 15 N/mm ²
	7 days ≥ 25 N/mm ²	≥ 25 N/mm ²
	28 days ≥ 35 N/mm ²	≥ 35 N/mm ²

solved. It can also be directly added to the screed mix. The mixing ratio of cement to sand is 1:4 to 1:4.5 parts by volume (350-400 kg cement per m³ mortar). Sand with mixed grains from 0-4 or 0-8 mm is a suitable aggregate. A high degree of moisture in the sand and screeds with floor heating require a larger quantity of Estrix.

When mixing the mortar, remember that up to 15% water is saved; an earth-moist consistence should

result. The screed mortar is applied in one layer, carefully compacted and rubbed. The screed should not excrete any water on the surface. The surface should not be powdered.

For bonded screeds, Remmers Bonding Layer HM (Art. No. 2836) should be used as a bonding layer on damp substrates and Remmers Epoxy BH 100 (Art. No. 0905) for dry substrates. In both cases, the bonded screed should be placed wet-on-wet. The minimum layer

thickness for bonded screeds should be 2.5 cm and for swimming screeds 3.5 cm. The side length of the screed fields, particularly in the case of swimming screeds, should not exceed 6 m if possible or joints should be placed over the joints in the sub-concrete. When used outdoors, place smaller screed fields (max. side length 4 m).

Notes

Protect the finished screed from premature frost or from drying out too quickly. When executing screed work, observe the normal rules of the trade and standards, especially DIN 18 560, AGI A 10, AGI A 11 and the German cement Code of Practice Z 3.

Packaging, application rate, shelf-life

Packaging:

1 kg, 5 kg and 30 kg plastic containers

Application rate:

1-2 kg/m³ screed mortar, usually 20 g/m² per cm thick layer. For screeds with floor heating approx. 30 g/m² per cm thick layer.

Shelf-life:

At least 2 years in unopened, original containers stored cool.

Safety, ecology, disposal

Further information on safety when transporting, storing and handling as well as disposal and ecology is found in the latest Safety Data Sheet.



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