



Rev 0
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TEKNAPUR 31

Anti-evaporator for concrete.

Film-forming product for the protection of concrete during curing



DESCRIPTION

TEKNAPUR 31 is an aqueous dispersion of fast drying synthetic resins. Its film-forming power allows to obtain a contained evaporation of the mixing water allowing, for at least 7 days, 95% of the humidity present.

FEATURES

The product is transparent so the film that forms once applied. Its chemical peculiarities guarantee an excellent homogeneous dispersion on fresh concrete as well as perfect adhesion. Compatible with any cement-based mix and the film that forms has no negative effect on the final characteristics of the concrete or mortar

METHOD OF USE

The product must be sprayed on the concrete surfaces to be preserved as soon as the first exudation water has disappeared. The total filming time takes place within 30 minutes of application at a temperature of 15 ° C. Slight variations in times can be obtained due to residual water in the capillaries and the external temperature. It allows to obtain a curing of the concrete in ideal conditions and considerably reduces efflorescence. It is used on industrial and airport floors, external plasters, interrupted and large-mass concrete castings and on all large exposed concrete surfaces that can be deteriorated by ventilation, high temperatures or low relative humidity.

PHYSICAL PROPERTIES

Appearance	Liquid
Smell	Light
Film appearance	Transparent
pH	8±1
Fusion point	N.A.
Boiling point	CA. 100°C
Flammability point	> 100 °C
relative density	1,01 ± 0,02 Kg/dm ³
Water solubility	Soluble
Mechanical stability	Great
Freeze / thaw stability	Good
Minimum film-forming temperature	10 ±1°C

CONSUMPTION

By spray from 40 to 50 g / m² under normal conditions. The quantity needed is always a function of the nature of the destiny support.

TECHNICAL DATA SHEET



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PACKAGES

25 kg tank
200 kg metal drums
1000 kg IBC

ESSENTIAL FEATURES	PERFORMANCE	TECHNICAL SPECIFICATION HARMONIZED
Permeability to CO ₂ EN 1062-6	S _D > 50 m	EN 1504-2
Permeability to water vapor according to EN ISO 7783	Class III	
Capillary absorption and water permeability According to EN 1062-3	W < 0.1 Kg/m ² *h ^{0,5}	
Adhesion tests for direct traction According to EN 1542	≥ 2,0 MPa	
Impact resistance	Class I	
Resistance to chemical attack	Class II	
Reaction to fire (tabular)	Class B _n – s1	
Dangerous substances	See SdS	

ESSENTIAL FEATURES	PERFORMANCE	TECHNICAL SPECIFICATION
Film appearance after 7 days	Continuous, adherent, without cracking	UNI 8656 UNI 8657 UNI 8658 UNI 8659 UNI 8 660
Loss of water by evaporation	< 0,55 kg/m ²	
Drying of the film	< 4h from application	
Complete drying of the film and passability without detachment	> 12h	
Coefficient of abrasion in comparison with the value of the sample without film-forming	< 15%	

STORAGE

TEKNAPUR 31 must be stored at temperatures above 5 ° C and must be applied at temperatures not below 6 ° C. TEKNAPUR 31 if stored at temperatures between 10-35 ° C in well-closed original containers, it maintains its characteristics unaltered for at least 6 months.

LEGAL NOTICES

The information contained in this technical data sheet, while representing the most advanced stage of knowledge, does not exempt the user from carrying out accurate preliminary tests in their own conditions of use and operation. We therefore decline all responsibility for improper use of the product.

