

T-FLASH FR

High resistance quick drying mortar for fastening and reconstructions



T-FLASH FR is a ready thixotropic product with high mechanical strength, quick setting and hardening features, suitable for fastening masonry, metal or plastic components and for the reconstruction of concrete or mortar with high hydraulic resistance (profiles, corners, concrete cover, etc.). The product's setting and hardening speed as well as its workability, allow it to be used for filling or reconstructions, with controlled shrinkage and high thickness, finishing can be done after few minutes (approx. 30 minutes). T-FLASH FR is compliant to Italian Ministerial Decree 10/05/2004.

Characteristics:

- quick hardening
- high mechanical strength (also after short time)
- plastic and workable
- for indoor and outdoor
- can be immediately finished

Peculiarities:

- mineral product with high adhesion
- low elastic modulus
- according to D.M. 10/05/2004
- subject to FPC control
- disposable or recyclable as inert material

FIELD OF APPLICATION

T-FLASH FR is ideal for fastening drain covers, clamps, hooks, rods, metal rods, pins, threaded rods, chains and positioning/locking pipes, railings, grilles, grates, for the filling or reconstruction of edges, string courses, window outlines in concrete or resistant cement mortar. It can be used both for interiors and exteriors.

DATA AND CHARACTERISTICS

Environmental compatibility

Nature: inorganic


Type of the inert material: natural, inorganic

Content of recycled materials: none

Disposal: dumping ground as inert material (not dangerous)

VOC: TVOC < 2 µg/m³ (GEV Ecode EC1 classification)

LEED certification

	T-FLASH/FR helps to obtain the LEED credits for the following areas	Materials and Resources (MR)	Internal Environmental Quality (QI)
		MR credit 5 (regional materials) up to 2 points	QI credit 4.1 (low sending out materials) 1 point

Delivery

30 Kg bag.

TASSULLO MATERIALI S.p.A.

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The use of the product implies the check of its suitability for the foreseen use and the acceptance of the responsibilities deriving from the use itself. The written data derive from laboratory measurements. TASSULLO MATERIALI S.p.A. reserve the right to change the technical data in any moment and without notice.

T-FLASH FR

Technical data

Granulometry (UNI EN 1015-1)	from 0 to 1 mm
Mixing water	about 6 ÷ 6,5 l/Sack
Density (UNI EN 1015-10)	about 1700 Kg/m ³
Yield	about 17 Kg/(m ² x cm)
pH	> 10,5
Fire reaction class	A1

Advanced Performances

Mechanical resistance to compression (UNI EN 1015-11)	4 hours	10 N/mm ²
	8 hours	13 N/mm ²
	1 day	17 N/mm ²
	2 days	20 N/mm ²
	7 days	30 N/mm ²
	28 days	40 N/mm ²
Mechanical resistance to bending (UNI EN 1015-11)	4 hours	2,7 N/mm ²
	8 hours	3,3 N/mm ²
	1 day	4 N/mm ²
	2 days	5,5 N/mm ²
	7 days	6 N/mm ²
	28 days	7,5 N/mm ²
Elastic modulus		21000 MPa
Beginning/End of the setting at 20 °C		15 / 20 minutes
Beginning/End of the setting at 35 °C		5 / 10 minutes
Beginning/End of the setting at 6 °C		20 / 30 minutes
pH (fresh mix)		> 10,5
Workability for (at 20 °C)		about 15 minutes
Time needed to open again to the traffic (at 20 °C)	light traffic	about 2 h
	heavy traffic	about 4 h

SPECIFICATIONS

Fastening drain covers, clamps, hooks, rods, metal rods, pins, threaded rods, chains and positioning/locking pipes, railings, grilles, grates, for the filling or reconstruction of edges, string courses, window outlines in concrete or resistant cement mortar. It can be used both for interiors and exteriors.

Ready thixotropic product TASSULLO T-FLASH FR with a high mechanical resistance, based on hydraulic binders and selected aggregates with a maximum granulometry lower than 1 mm, characterized by fast hardening, can be finished after 30 minutes. Under normal conditions the time between the beginning and the end of the setting is about 15-20 minutes, the mechanical resistance to compression is about 40 N/mm², the elastic modulus is about 21000 MPa, the density 1700 Kg/m³, pH of the fresh mix higher than 10,5, the fire reaction class is A1.

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