

PLAKA – PE FOIL

Polyethylene construction foil “FOT” and “FOF”
REF 05.08.01 - Version V01 - 13/08/2020



Description

Construction- or coverage foil in PE available in two variants :

- Transparent foil type « FOT » based on natural colored particles.



- Translucent foil type « FOF » based on recycled and sorted particles.



Product not UV stabilized.
The foil thickness is 0.2mm.

Application fields

- Curing agent : avoid fast drying of concrete.
- Vapor barrier : prevents the rise of soil moisture to the concrete structure.
- Coating of shuttering : eliminates the adhesion between the concrete and the formwork (important when a smooth concrete surface needs to be achieved or when using climbing formwork)
- Coverage : particularly in case of acoustic floating floors : to prevent concrete infiltration that would cause « acoustic bridges »
- Etc...

Properties

Mechanical properties	
Raw material	LDPE (Low density polyethylene)
Melting point	About 110 °C
Temperature resistance	From -40°C to +80°C

Technical properties				
Characteristics	Tolerance	Test method	Unit	Values
Thickness min – max	+ / - 10 %	EN 1849-2	mm	0,20
Length	+ / - 5 %	EN 1848-2	m	> 10 m
Width	+ / - 5 %	EN 1848-2	m	150 - 600

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Characteristics	Test method	Unit	Values
Density	EN ISO 1183	g / cm ³	0,92
Impermeability of the foil*	EN 1928	2 kPa	conforming
Reaction to fire	EN 13501-1		F
Tensile strength -longitudinal	ASTM D 882	N / 15 mm	50,0
Tensile strength - transversal	ASTM D 882	N / 15 mm	52,9
Elasticity - longitudinal	ASTM D 882	%	608
Elasticity - transversale	ASTM D 882	%	676
Elongation at break - longitudinal	ASTM D 1004	N	9,9
Elongation at break - transversale	ASTM D 1004	N	18,1
Dart drop	ASTM D1709-A		421
Resistance to a fix weight 25 kg	EN 12730		No perforation
Overlapping crossover	EN 12317 - 2		NPD

* The waterproofing results are only valuable for the foil and not for the overlapping crossover.

Dimensions

Material dimensions						
Picture	Description	Code	Dimensions		m ² / box	Weight (kg/m ²)
			H x L	Thickness		
	Construction foil "FOT" transparent in PE	HMTLCF2000200050	2 x 50 m	0,2 mm	100	0,19
	Construction foil "FOF" translucent in PE	HMTLCF2000200050	2 x 50 m	0,2 mm	100	0,19
		HMTLCF4000200050	4 x 50 m	0,2 mm	200	0,19
		HMTLCF6000200050	6 x 50m	0,2 mm	300	0,19

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