



KISCOTE TPO(F)

Polyolefin TPO Flexible Membrane with fleece

DESCRIPTION

KISCOTE TPO (F) is a synthetic membrane made from co-extruding a uniform UV resistant elastomerized TPO/FPA thermoplastic olefin and flexible polypropylene, reinforced with fleece backing. It is the perfect waterproofing solution for many roof of special designs with flat or irregular profiles, and varying materials such as concrete, metal, zinc and others.

RECOMMENDED USES

- Mechanically retained waterproofing on roofs.
- Waterproofing layers loose laid under heavy-duty fixed or movable protection for: roofing exposed to foot traffic and roof gardens.

ADVANTAGES

- Excellent adhesion between joints with hot-weld technology
- High strength
- Excellent dimensional stability

PACKAGING

KISCOTE TPO is manufactured in the following dimension;

PRODUCTION STANDARDS

Thickness (*) mm	1.2	1.5	1.8	2.0
Width m	2.10	2.10	2.10	2.10
Length (*) m	25	25	20	20
Colour	Off White / Grey / Black			

(*) Different thicknesses and lengths are available on demand and for minimum quantities.

APPLICATION GUIDELINES

a) Surface Preparation

- Surface must be sound, clean and free of irregularities, loose particles, voids, loose materials, oil, grease, curing compounds, sealers and any foreign matters.
- The remains of separator should be removed.
- Metal plates and rigid plastics should be sanded and dusted.
- Aluminum foils and metals must be pretreated.

b) Application

KISCOTE TPO membranes are applied through hot air gun on their overlapping joints, as no adhesives or other materials of any kind are required. Design solutions and application methods are illustrated in the technical manual published by KENSETSU INTERNATIONAL APPLICATION MANUAL. Waterproofing systems employing KISCOTE TPO membranes should be laid by installers authorized by KENSETSU INTERNATIONAL.

REV. TDS-TPO(F)-V1
Dated: 19-APR-2017

KENSETSU INTERNATIONAL (S) PTE LTD



STORAGE

KISCOTE TPO should be stored in sealed original packing at room temperature up to 12 months from date of manufacturing.

HEALTH & SAFETY

Refer to SDS for further information.

TECHNICAL PROPERTIES

KISCOTE TPO (F)							
Features ⁽¹⁾	EN Standards	U.M.	Tolerance	Values			
Standard thickness	1849-2	mm	(-5/+10%)	1,2	1,5	1,8	2,0
Density	1849-2	kg/m ²	(-5/+10%)	1,08	1,35	1,62	1,8
Tensile properties							
* Tensile strength L/T	12311-2	N/mm ²		≥750/50mm			
* Elongation at break L/T	12311-2	%		700/700			
Dimensional stability	1107-2	%		≤ 0.5			
Cold flexibility	495-5	°C		≤ -40 ⁽²⁾			
Tear resistance L/T	12310/1	N		330/240	450/400	550/500	650/600
Water vapour permeability (resistance factor μ)	1931			15,000			
Resistance to static loading	12730/B	kg		≥ 25			
Resistance to impact	12691/B	mm		≥ 1000			
Hail resistance	13583	m/s		≥ 30 ^(*)			
Water tightness (60kPa)	1928			Absolute			
* Tensile strength	12317-2	N/cm		Compliant (specimen fails outside bond area)			
Root resistance	13948			Passes the test			

Notes: (1) Tolerances as per EN 1396 and/or UEAtc Directives.

(2) Not tested at lower temperatures.

(3) Based on Warringtonfiregent – Classification Report for roofs/roof coverings exposed to external fire Nr 13561B.

(*) Not tested at higher speeds.

IMPORTANT NOTES

Any information and/ or specification contained herein is to the best of the company knowledge, true and accurate, it is always recommended that trial to be carried out to confirm suitability of use for all products, as no warranty is given or implied in connection with any recommendations and/or suggestions made by the company representatives, agents and/or distributors.

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