

# Technical Data Sheet - KERABIT PROTECT



**JUTA a.s.**  
Dyukelská 417, 54415 Dvůr Králové nad Labem,  
Tšekín tasavalta  
**12**



Underlay for discontinuous roofing 13859-1: 2010

Product description	
Use	Underlay for discontinuous roofing
Application	Applying with mechanical fastening
Reinforcement	Microporous polypropylene film
Surfacing	Polypropylene fabric
Bottom surfacing	Polypropylene fabric

Characteristic	Method	Unit	Nominal value	minimum	maximum
Length	EN 1848-2	m	>50		
Width	EN 1848-2	mm	1500	1492,5	1522,5
Mass per unit area	EN 1848-2	g/m <sup>2</sup>	140	126	154
Nominal thickness	EN 1848-2	mm	NPD*		
Straightness	EN 1848-2	30 mm / 10 m	pass		
Visual defects	EN 1850-2		no defects		
AVCP- class			3		
Certificate of factory production control			-		

Fire properties	Method	Classification	Fireclass		
Reaction to fire	EN ISO 11925-2	EN 13501-1	E		

Characteristic	Method	Unit	EN 13859-1	minimum	maximum
Watertightness	EN 1928 A	mm	W1	200	
Tensile strength - in longitudinal direction - in transverse direction	EN 12311-1	N/ 50 mm N/ 50 mm	290 205	260 175	340 250
Elongation - in longitudinal direction - in transverse direction	EN 12311-1	% %	45 80	30 55	80 120
Nail shank tear resistance - in longitudinal direction - in transverse direction	EN 12310-1	N N	150 180	110 130	220 250
Durability:*					
* Watertightness	EN 1928 A	mm	W1	200	
* Tensile strength - in longitudinal direction - in transverse direction	EN 12311-1	N/50 mm N/50mm	260 180	220 145	320 235
* Elongation - in longitudinal direction - in transverse direction	EN 12311-1	% %	35 65	20 35	75 105
Pliability	EN 1109	°C	-30	-20	
Water vapor resistance	EN 12572/EN 1931	m	0,02	0,01	0,035
Dimensional Stability	EN 1107-2	%	< 2		0,6
Air permeability	EN 12114	(m <sup>3</sup> /m <sup>2</sup> h50Pa)	< 0,02		
Dangerous substances			No dangerous substances		

\*NPD = no performance determined

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