DuPont™ Tyvek® Trifecta™ Technical Datasheet

Application: Flexible sheets for water proofing – Part 2: Underlays for walls EN 13859-2: 2010

Style name	**2021B**	Language	**English**
Type of carrier	**Composite of Glass fibre and black functional layer**	Applicable for	**UK, Ireland**

PROPERTY	METHOD	UNITS	NOMINAL	MINIMUM	MAXIMUM
FUNCTIONALITY: WATER VAPOUR TRANSMISSION, WATER TIGHTNESS, WEATHER DURABILITY, FIRE CLASS					
Water vapour transmission (sd)	EN ISO 12572 (C)	m	0,08	0,05	0,11
Temperature resistance	-	°C	-	-40	+70
Flexibility at low temperature	EN 1109	°C	-	-	-40
UV exposure	-	months	-	-	6
Thickness	EN 1849-2	mm	0,4	-	-
Water tightness	EN 1928 (A)	class	W1	-	-
Water column	EN 20811	m	3	-	-
Reaction to fire	EN ISO 11925-2	class	A2-s1, d0*	-	-
PHYSICAL AND MECHANICAL PROPERTIES					
Mass per unit area	EN 1849-2	g/m²	400	365	435
Maximum tensile force (MD)	EN 12311-1	N/50mm	4000	2000	6000
Elongation at max. tensile force (MD)	EN 12311-1	%	5	2	8
Maximum tensile force (XD)	EN 12311-1	N/50mm	3500	1000	6000
Elongation at max. tensile force (XD)	EN 12311-1	%	5	2	8
Resistance to tearing MD (nail shank)	EN 12310-1	N	800	400	1200
Resistance to tearing XD (nail shank)	EN 12310-1	N	800	400	1200
PROPERTIES AFTER AGEING					
Artificial ageing by UV and heat:	EN 1297 & EN 1296	residual value			
Water tightness	EN 1928 (A)	class	W1	-	-
Maximum tensile force (MD)	EN 12311-1	%	90	-	-
MD elongation at max. tensile force	EN 12311-1	%	90	-	-
Maximum tensile force (XD)	EN 12311-1	%	90	-	-
XD elongation at max. tensile force	EN 12311-1	%	90	-	-
ADDITIONAL PROPERTIES					
Length (customer related, expressed in m)	EN 1848-2	deviation in %	0	0	-
Width (customer related, expressed in mm)	EN 1848-2	deviation in %	0	-0,5	+1,5
Straightness	EN 1848-2	mm/10m	-	-	30
Dimensional stability (MD & XD)	EN 1107-2	%	-	-	1
Resistance to penetration of air	EN 12114	m³/(m² h 50Pa)	-	-	<0.01

*Installed, black layer facing outside, on mineral board with EN 13501-1 fire class A1 and A2-s1,d0 in combination with DuPont™ AirGuard® FR system tape (1310FR) to seal the overlaps. For further details, the classification report can be requested from a DuPont sales representative or via email to: tyvek.construction@dupont.com
The product mentioned above, in our opinion, fulfils the criteria of being classified as 'article' (REACH, Art. 3.3). There are no substances intended to be released from this product under normal or reasonably foreseeable conditions of use. The above article to our current knowledge does not contain substances, above the legal threshold, that are on the 'Candidate List' of Substances of Very High Concern (SVHC) as published on the ECHA website.

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