

### Technical Datasheet



Application: Flexible sheets for water proofing – Part 2: Underlays for walls EN 13859-2 walls with open joints (1)

Application: Flexible sheets for water proofing – Part 1: Underlays for discontinuous roofing EN 13859-1

Style name  
Type of carrier

**2524B**  
**HDPE and PP composite**

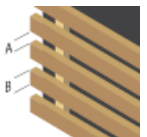
Language **English**

PROPERTY	METHOD	UNITS	NOMINAL	MINIMUM	MAXIMUM
<b>FUNCTIONALITY: WATER VAPOUR TRANSMISSION, WATER TIGHTNESS, WEATHER DURABILITY, FIRE CLASS</b>					
Water vapour transmission (sd)	EN ISO 12572 (C)	m	0,035	0,02	0,05
Temperature resistance	-	°C	-	-40	+80
<b>Weather resistance</b>					
Full UV exposure (as standard underlay)	-	months	-	-	6
Full UV exposure (for walls with open joints before installation of façade elements)	-	months	-	-	4
Flexibility at low temperature	EN 1109	°C	-	-	-40
Product- / Functional layer thickness		µm	600 / 220	-	-
Water tightness	EN 1928 (A)	class	W1	-	-
Water column	EN 20811	m	3	-	-
Reaction to fire (EN13501-1)	EN ISO 11925-2	class	E	-	-
<b>PHYSICAL AND MECHANICAL PROPERTIES</b>					
Mass per unit area	EN 1849-2	g/m <sup>2</sup>	195	180	210
Maximum tensile force (MD)	EN 12311-1	N/50mm	410	330	490
Elongation at max. tensile force (MD)	EN 12311-1	%	14	10	18
Maximum tensile force (XD)	EN 12311-1	N/50mm	340	260	420
Elongation at max. tensile force (XD)	EN 12311-1	%	19	14	24
Resistance to tearing MD (nail shank)	EN 12310-1	N	300	210	390
Resistance to tearing XD (nail shank)	EN 12310-1	N	340	230	450
<b>PROPERTIES AFTER AGEING</b>					
Artificial ageing by UV and heat:	EN 1297 & EN 1296	residual value	(1)		
Water tightness	EN 1928 (A)	class	W1	-	-
Maximum tensile force (MD)	EN 12311-1	%	70	-	-
MD elongation at max. tensile force	EN 12311-1	%	60	-	-
Maximum tensile force (XD)	EN 12311-1	%	70	-	-
XD elongation at max. tensile force	EN 12311-1	%	60	-	-
<b>ADDITIONAL PROPERTIES</b>					
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
Water tightness of seams	EN 13859-1	pass / no pass	pass	-	-
Resistance to penetration of air	EN 12114	m <sup>3</sup> /(m <sup>2</sup> h 50Pa)	-	-	0,1
Windtight	-	-	yes	-	-
Max width of joints (vertical & horizontal)	-	cm	-	-	A < 3 cm
Min width of façade elements	-	-	-	-	B >= 2 x A

**Effective date: 14/06/2019**

**First CE: 21/12/2007**

(1) according to EN13859-2: for walls with open joints, artificial aging by UV is 5000 hrs (standard wall/roof application is 336 hrs)



DuPont de Nemours (Luxembourg) S.à r.l.  
Rue General Patton, L-2984 Luxembourg

Tel +352 3666 5885

tyvek.info@dupont.com  
www.construction.tyvek.com

Some test methods are modified according to the EN 13859-1:2014 & EN 13859-2:2014 and/or according to the DuPont ISO 9001:2015 certified quality system (for details please contact your regional DuPont representative). All values are based on roll average. This information corresponds to our current knowledge on the subject. It is offered in accordance with REGULATION (EU) No 305/2011 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 9 March 2011 laying down harmonised conditions for the marketing of construction products and repealing Council Directive 89/106/EEC. It is not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for any application other than the application as specified herein. This information may be subject to revision as new knowledge and experience becomes available. Since we cannot anticipate all variations in actual end-use conditions, DuPont makes no warranties and assumes no liabilities in connection with any use of this information for applications other than the application as specified herein. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent right. Product safety information is available on request. This data sheet is a printed document and is valid without signature.

the  
**Original**  
proven since 1990



**Tyvek.**