

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.



Effective date: 27/06/2025

First CE: 02/06/2023

DuPont (UK) Limited
HERE,
470 Bath Road, Arnos Vale,
Bristol, BS4 3AP
tyvek.construction@dupont.com

Tel +44 (0) 117 452 9050

www.dupont.co.uk/building.html

Some test methods are modified according to the EN 13859-2: 2010 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.