

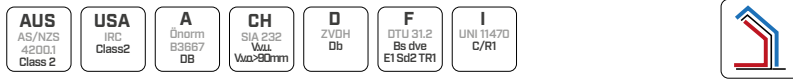
# VAPOR 140

## VAPOUR CONTROL MEMBRANE



### COMPOSITION

- 1 top layer: non-woven PP fabric
- 2 middle layer: vapour control PP film
- 3 bottom layer: non-woven PP fabric



### TECHNICAL DATA

| Properties                         | standard           | value                                         | USC units                           |
|------------------------------------|--------------------|-----------------------------------------------|-------------------------------------|
| Mass per unit area                 | EN 1849-2          | 140 g/m <sup>2</sup>                          | 0.46 oz/ft <sup>2</sup>             |
| Thickness                          | EN 1849-2          | 0,45 mm                                       | 18 mil                              |
| Water vapour transmission (Sd)     | EN 1931            | 10 m                                          | 0.35 US Perm                        |
| Tensile strength MD/CD             | EN 12311-2         | > 230/180 N/50 mm                             | 26/21 lbf/in                        |
| Elongation MD/CD                   | EN 12311-2         | > 35/40 %                                     | -                                   |
| Resistance to nail tearing MD/CD   | EN 12310-1         | > 125/145 N                                   | 28/33 lbf                           |
| Watertightness                     | EN 1928            | compliant                                     | -                                   |
| Water vapour resistance:           |                    |                                               |                                     |
| - after artificial ageing          | EN 1296/EN 1931    | compliant                                     | -                                   |
| - in the presence of alkalis       | EN 1847/EN 12311-2 | npd                                           | -                                   |
| Reaction to fire                   | EN 13501-1         | class E                                       | -                                   |
| Resistance to penetration of air   | EN 12114           | < 0,02 m <sup>3</sup> /(m <sup>2</sup> h50Pa) | < 0.001 cfm/ft <sup>2</sup> at 50Pa |
| Resistance to temperature          | -                  | -20/80 °C                                     | -4/176 °F                           |
| UV stability <sup>(1)</sup>        | EN 13859-1/2       | 336h (3 months)                               | -                                   |
| Thermal conductivity (λ)           | -                  | 0,3 W/(m·K)                                   | 0.17 BTU/h·ft·°F                    |
| Specific heat                      | -                  | 1800 J/(kg·K)                                 | -                                   |
| Density                            | -                  | approx. 310 kg/m <sup>3</sup>                 | approx. 19 lbf/ft <sup>3</sup>      |
| Water vapour resistance factor (μ) | -                  | approx. 22000                                 | approx. 50 MNs/g                    |
| VOC                                | -                  | not relevant                                  | -                                   |
| Water column                       | ISO 811            | > 250 cm                                      | > 98 in                             |

<sup>(1)</sup>Laboratory ageing test data cannot reproduce unforeseeable causes of the product's degradation, or consider the stresses to which it will be subjected during its service life. To ensure its integrity, as a precautionary measure, exposure to weathering during construction should be limited to a maximum of 3 weeks.

Waste classification (2014/955/EU): 17 02 03

### CODES AND DIMENSIONS

| CODE | description | tape | H<br>[m] | L<br>[m] | A<br>[m <sup>2</sup> ] | H<br>[ft] | L<br>[ft] | A<br>[ft <sup>2</sup> ] |    |
|------|-------------|------|----------|----------|------------------------|-----------|-----------|-------------------------|----|
| V140 | VAPOR 140   | -    | 1,5      | 50       | 75                     | 5         | 164       | 807                     | 30 |