

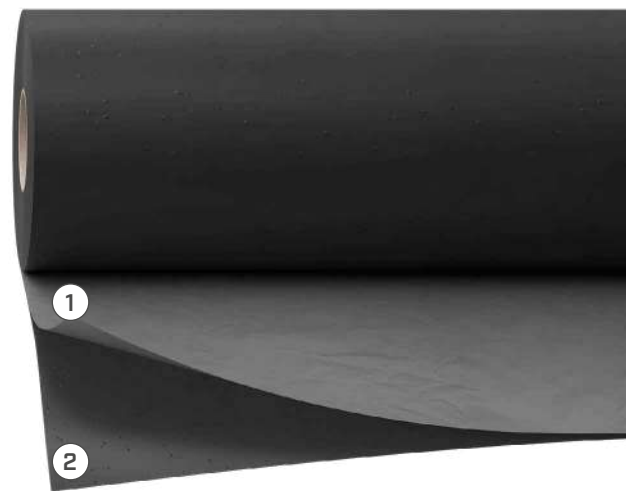
# RADON FLOOR



## WATERPROOF RADON GAS BARRIER FOR FOUNDATIONS

### COMPOSITION

- ① top layer: low density PE film
- ② bottom layer: low density PE film



### TECHNICAL DATA

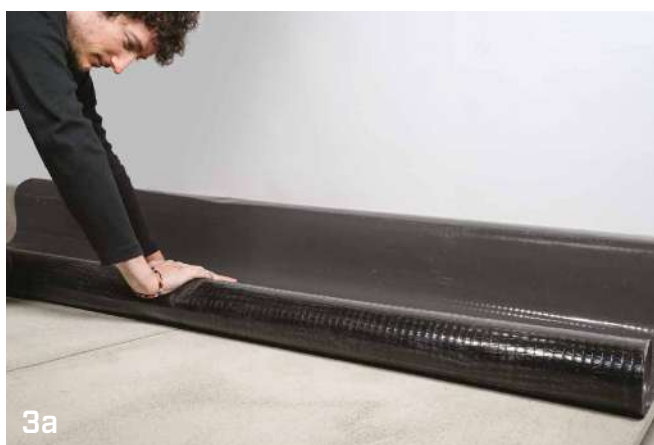
| Properties                                          | standard         | value                                         | USC units                           |
|-----------------------------------------------------|------------------|-----------------------------------------------|-------------------------------------|
| Mass per unit area                                  | EN 1849-2        | 240 g/m <sup>2</sup>                          | 0.79 oz/ft <sup>2</sup>             |
| Thickness                                           | EN 1849-1        | 0,3 mm                                        | 12 mil                              |
| Water vapour transmission (Sd)                      | EN 1931          | 120 m                                         | 0.029 US Perm                       |
| Water vapour resistance factor (μ)                  | -                | approx. 400000                                | approx. 600 MN·s/g                  |
| Tensile strength MD/CD                              | EN 12311-1       | > 100/80 N/50 mm                              | 11.4/9.1 lbf/in                     |
| Elongation MD/CD                                    | EN 12311-1       | > 350/350 %                                   | -                                   |
| Resistance to nail tearing MD/CD                    | EN 12310-1       | > 60/60 N                                     | > 14/14 lbf                         |
| Joint resistance MD/CD                              | EN 12317-2       | > 135/140 N/50 mm                             | > 15.4/16.0 lbf/in                  |
| Impact resistance                                   | EN 12691         | < 200 mm                                      | < 7.87 in                           |
| Resistance to static load                           | -                | 200 N                                         | 44.96 lbf                           |
| Watertightness                                      | EN 1928          | compliant                                     | -                                   |
| Durability:                                         |                  |                                               |                                     |
| - watertightness after artificial ageing            | EN 1296/EN 1928  | compliant                                     | -                                   |
| - impermeability in the presence of chemical agents | EN 1847/EN 1928  | compliant                                     | -                                   |
| Reaction to fire                                    | EN 13501-1       | class F                                       | -                                   |
| Resistance to temperature                           | -                | -40/80 °C                                     | -40/176 °F                          |
| 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 |
| Thermal conductivity (λ)                            | -                | 0,4 W/(m·K)                                   | 0.23 BTU/h·ft·°F                    |
| Specific heat                                       | -                | 1800 J/(kg·K)                                 | -                                   |
| Density                                             | -                | approx. 800 kg/m <sup>3</sup>                 | approx. 0.46 oz/in <sup>3</sup>     |
| Radon permeability                                  | EN ISO/IEC 17025 | < 6,2x10 <sup>-12</sup> m <sup>2</sup> /s     | -                                   |

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

### CODES AND DIMENSIONS

| CODE     | H<br>[m] | L<br>[m] | A<br>[m <sup>2</sup> ] | H<br>[ft] | L<br>[ft] | A<br>[ft <sup>2</sup> ] |    |
|----------|----------|----------|------------------------|-----------|-----------|-------------------------|----|
| RADON240 | 4        | 25       | 100                    | 13        | 82        | 1076                    | 21 |

## RECOMMENDATIONS FOR INSTALLATION



1-2 SUPRA BAND, BUTYL BAND

3b SUPRA BAND, BUTYL BAND, OUTSIDE GLUE ROLLER

4 MARLIN, CUTTER

5 GROUND BAND