

## Data sheet

# RadonTec AlphaBlock 4+ Radon Protection Foil (self-adhesive)

**AlphaBlock 4+** is an extra-robust, self-adhesive radon protection film with integrated fleece that can be used in both new construction and interior renovation of existing buildings.

## Technical Details

<b>tested according to</b>	DIN EN 14909 DIN EN 13967	
<b>Radon tightness test</b>	Surface: passed Transition/adhesive point: passed	
<b>Fire class</b>	E DIN EN ISO 11925-2 and EN 13501-1	
<b>Fire behaviour</b>	EN 1928 A+B: passed	
<b>Water tightness</b>	EN 1931: sD: $\geq 1500$ m	
<b>Water vapour permeability</b>	EN 12691: procedure A passed	
<b>Resistance to impact load</b>	EN 12317-2: 215N	
<b>Shear resistance of the joint</b>	EN 12311-2 max. tractive force: Stretch:	lengthways : $\geq 378$ N transverse: $\geq 289$ N lengthways : $\geq 16\%$ transverse: $\geq 16\%$
<b>Tensile elongation behaviour</b>	EN 12730: $\leq 15$ kg	
<b>Resistance to static load</b>	EN 12310-1	lengthways : $\geq 209$ N transverse: $\geq 189$ N

<b>Tear resistance (nail shank)</b>	EN 1296: passed EN 1931: passed		
<b>Durability to ageing</b>	EN 1847: passed EN 1928: passed		
<b>Durability to chemicals</b>	<table border="0"> <tr> <td>Hydrochloric acid 10% + Hydrochloric acid conc. + Sulphuric acid 10% + Sulphuric acid 80% + Nitric acid Nitric acid 5% + Nitric acid conc. + Phosphoric acid 10% + Boric acid 4% + Chromic acid 10% + Formic acid 5% + Acetic acid 5%ig - Lactic acid 5% + Sodium hydroxide 30% - Potassium hydroxide 30% - petrol - HD oil +</td> <td>Ammonia 5% + Ammonia 25% + Saline solution 5% + Calcium chloride solution 5% + Potassium carbonate solution 10% + Tap water + Alcohol den. 5% + Alcohol den. 50% - Butanol + Glycerol + toluene - Carbon tetrachloride - trichloroethylene - perchloroethylene - Fuel oil, diesel oil +</td> </tr> </table>	Hydrochloric acid 10% + Hydrochloric acid conc. + Sulphuric acid 10% + Sulphuric acid 80% + Nitric acid Nitric acid 5% + Nitric acid conc. + Phosphoric acid 10% + Boric acid 4% + Chromic acid 10% + Formic acid 5% + Acetic acid 5%ig - Lactic acid 5% + Sodium hydroxide 30% - Potassium hydroxide 30% - petrol - HD oil +	Ammonia 5% + Ammonia 25% + Saline solution 5% + Calcium chloride solution 5% + Potassium carbonate solution 10% + Tap water + Alcohol den. 5% + Alcohol den. 50% - Butanol + Glycerol + toluene - Carbon tetrachloride - trichloroethylene - perchloroethylene - Fuel oil, diesel oil +
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<b>Resistance to chemicals</b>	EN 1548: passed EN 1928: passed		
<b>Compatibility with bitumen</b>	EN 1850-2: passed		
<b>Visible defects</b>	EN 1849-2: passed		
<b>Straightness</b>	ca. 20 kg/roll		
<b>Weight</b>	60 m		
<b>Length</b>	1,20 m		
<b>Width</b>	ca. 0,8 mm		