

Technical datasheet

UNDERPADDING

Ribbed Sponge Rubber

Black Diamond 6 mm



Description

: Black Diamond is a carpet underlay produced from ribbed sponge rubber. The heavy sponge rubber creates a stable and durable base for every carpet. Black Diamond delivers a maximum contribution to the experience of luxury and comfort of the carpet. Black Diamond is suitable for domestic and contract applications

- Stable base for installation and easy to install
- Smoothing small unevenness in the subfloor
- Extends the lifetime and original appearance of the carpet
- Offers comfort and experience of luxury
- Especially suitable for floor heating

Installation method

: Double Stick method. Install Black Diamond with the sponge rubber side in a non-slip adhesive and glue the carpet on top of the crepe paper topside. Black Diamond is also suitable for the stretching method.

Thickness

: 6 mm / ± 0,6 mm – Maximum tolerance 10%

Dimensions

: 7,3 m x 1,37 m = ± 10 m²

Weight

: 3000 gram/m² / ± 300 gr/m² (30 kg per roll) – Maximum tolerance 10%

Density

: 500 kg/m³ / ± 50 kg – Maximum tolerance 10%

Material

: Top layer : Stitch bonded perforated crepe paper
Bottom layer : Ribbed sponge rubber

Packing

: LDPE-foil (no core) with insert-sheet with installation instructions

Technical information

Testing methods	Min.requirement (acc. EN 14499 (2004))	Results
Dimensional stability		
Traction Breaking strength -length /width	≥ 40 N	Length: 181 N / Width: 127 N
Extension Extension under force length / width (Test method: ISO 13934-1)	≤ 10%	Length: 2,3 % / Width: 1,0 %
Comfort aspect		
Short static loading Retention of work of compression after 2 hrs of static loading Loss in thickness after 2 hrs static loading and 60 min recovery (Test method: ISO 3415)	≥ 80% ≤ 20%	84 %, very good 4,5 %, very good
Prolonged static loading Loss in thickness after 24 hrs static loading and 24 hrs recovery (Test method: ISO 3416)	≤ 15%	3,3 % very good
Castor chair test		
Mechanical damage when using castor wheel chairs after 25.000 rotations (Test method: EN 985)	None	Not suitable
Thermal resistance		
Thermal resistance for floorheating (R-value) (Test method: ISO8302)	None	0,06m ² .K/W or 0,6 togs
Impact sound reduction		
Measured value of impact sound reduction (Delta Lw) (Test method: ISO 140-8: 1998 & ISO 717-2: 1997)	None	25 dB ΔLw
Fire retardancy		
Euroclas Radial Panel in reference with EURO-classification * Tested in combination with an 80/20 Axminster carpet (Test method: EN ISO 9239-1:2002)	Report nr. T11-32373.01br	Bfl-S1*1

Installation instruction:

- Let the carpet as well as the underpadding acclimatise for 24 hrs in its original packing in the room to be installed
- The best temperature for installation is 15-20°C and a humidity of 50-70%
- Make sure that the underfloor is absolutely dry and free of grit and dust
- To cut the underpadding we recommend to use a trapezium blade
- Underpadding can not prevent the natural shrinkage of carpet. For that reason we strongly advise always to use the double stick method (gluing both the underpadding as well as the carpet) in case of shrink-sensible carpet qualities. Always follow the installation instructions of the carpet manufacturer.

In case the installation has not been done in accordance with the installation instructions, Estillon can not be held responsible for any damage or claim as a result of an incorrect installation. In case of doubt always consult your supplier.



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