

# Black Diamond 6 mm - 681211

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 H.D. contract applications.

- Stable base for installation and easy process
- smoothening small unevennesses in the subfloor
- Extends the lifetime and original appearance of the carpet
- Especially suitable for floor heating
- Offers comfort and experience of luxury

## Installation method :

Double stick method. Install Black Diamond with the spongerubber side in a non slip adhesives and glue the carpet on top of the crepe paper topside. Black Diamond is also suitable for the stretching method.

## Direction of installation method

Always install the underlay in a 90 angle underneath the length of the carpet in order to avoid matching of seams in underlay and carpet.

## Application Classification:

HC / U, Heavy project use, suitable for heavy foot traffic, wheel load and office chairs with wheels. (Test Method: BS 5808: 1991)

## General building inspection license:

NA

## Thickness:

6,0 mm /  $\pm 0,6$  mm - maximum tolerance 10%

## Dimensions:

7,3m x 1,37m =  $\pm 10$ m<sup>2</sup>

## Weight:

3000 gr/m<sup>2</sup> /  $\pm 300$  gr/m<sup>2</sup> (30 kg/roll) - maximum tolerance 10%

## Density:

500 kg/m<sup>3</sup> /  $\pm 50$  kg - maximum tolerance 10%

## Material:

Top Layer : Stitch bonded perforated crepe paper  
Bottom Layer : Ribbed sponge Rubber

## Packing:

Material : Printed LDPE foil (no core) with insert sheet.

## Technical information:

<b>Dimensional stability Traction</b>	: 40 N/mm <sup>2</sup> /lenght 181N / width 127N
<b>Dimensional stability extension:</b> (test method: ISO 13934-1)	: 10% / lenght 2,3% / width 1,0%
<b>Caster chair test</b> (Test method: EN 985)	: <u>Only</u> suitable with double stick method
<b>Impact sound reduction</b> (Test method: NA)	: $\Delta L_w = 25$ dB
<b>Thermal resistance</b> (Test method: NA)	: 0,6 togs - 0,06 m <sup>2</sup> K/W
<b>Fire retardency</b> (Test methode: EN ISO 9239-1/EN ISO 11925-2)	: Bfl-S1
<b>ASTM radial panel test</b> (Test methode: ASTM E 648-06)	: Class 1
<b>Russian requirements on fire safety</b> (Test methode: FZ-123)	: KM3

## Installation instructions:

- Let the carpet as well as the underpadding acclimatise for 24 hours in the original packing in the room to be installed.
- The best temperature for installation is 5-20°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 qualities. Always follow the installation instructions of the carpet Manufacturer.

## Important:

*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.*

