

Technical datasheet

UNDERPADDING

Flat Sponge Rubber

Black Pearl 3mm



Description

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

- Stable base for installation and easy to process
- Smoothening small unevennesses in the subfloor
- Extends the lifetime and original appearance of the carpet
- Especially suitable for floorheating

Installation method

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

Direction of installation of underlay

: 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.

Thickness

: 3 mm / ± 0,5 mm – Maximum tolerance 10%

Dimensions

: 11 m x 1,37 m = ± 15.07 m²

Weight

: 2190 gram/m² / ± 219 gr/m² (33 kg/roll) – Maximum tolerance 10%

Density

: 730 kg/m³ / ± 73 kg – Maximum tolerance 10%

Material

: Top layer : Stitch bonded perforated crepe paper
Bottom layer : Flat Sponge Rubber

Packing

: Printed 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: N/A / Width: N/A
Extension Extension under force length / width (Test method: ISO 13934-1)	≤ 10%	Length: N/A / Width: N/A
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%	96,3 %, excellent result < 5%, excellent result
Prolonged static loading Loss in thickness after 24 hrs static loading and 24 hrs recovery (Test method: ISO 3416)	≤ 15%	< 5% excellent result
Castor chair test		
Mechanical damage when using castor wheel chairs after 25.000 rotations (Test method: EN 985)	None	For double stick installation only
Thermal resistance		
Thermal resistance for floorheating (R-value) (Test method: ISO8302)	None	0,03m ² .K/W or 0,3 togs
Impact sound reduction		
Measured value of impact sound reduction (Delta Lw) (Test method: ISO 140-8:1998 & ISO 717-2: 1997)	None	19 dB ΔLw
Fire retardancy		
ASTM Radial Panel test (Test method: ASTM E 648-06)	Report nr.: 106005	Class I

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-sensitive 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.

