

Technical Data Sheet

Formx Duo Polyurethane Carpet Cushion Underlay *allnex*

DESCRIPTION:

FORMX DUO is a quality range of polyurethane chip foam underlay incorporating a skin on both sides to increase tear resistance and provide a good surface for the carpet to be stretched across.

The Formx Duo range variety of polyurethane foam carpet underlay is designed for all domestic and commercial carpet applications.

TYPICAL FEATURES | BENEFITS:

Comfort:

The very nature of the composition of the material makes it a comfortable material to walk on.

Performance:

More than 10 years of experience has testified to the successful performance of this type of underlay in both protecting carpets and helping to maintain their appearance. This material has been proven to recover well from the repeated compression of foot and wheel traffic. Foam underlays do not become brittle with time and have good resistance to permanent compression.

Sound insulation:

The Formx Duo underlay also significantly reduces both sound in the room being used and the transfer of sound to surrounding rooms. High Density thick underlays which absorb the greatest amount of energy will generally be the best at reducing impact sound.

Heat insulation:

The PU underlay is one of the most effective types of underlay for reducing the loss of heat through floorboards and restricting draughts or cold that come up through the floor. This in turn makes heating more effective and economical and improves the carbon footprint of a home.

PE Surface Film:

The top side has a PE film for improved strength, stability, tear and moisture resistance.

Recycling:

The product is made from recycled scrap polyurethane foam from the furniture industry. At the end of its life the underlay can once more be recycled making it a very environmentally friendly product. Because furniture now has to meet stringent international fire standards the foam that has been used has inherent flame retardant properties which are ideally suited for use as a floor covering.

PRODUCT OPTIONS:

Description	Method	Broadloom Metres	Length +/-1%	Width +/- 1%	Thickness +/- 3%	Density +/- 7.5%
Formx Carpet Cushion Red	Conventional	7.5	15	1.83m	8mm	70kg/m ³
Formx Carpet Cushion Blue	Conventional	7.5	15	1.83m	10mm	90kg/m ³
Formx Carpet Cushion Silver	Conventional	5	10	1.83m	11mm	120kg/m ³
Formx Carpet Cushion White	Double Bond	5	10	1.83m	5mm	140kg/m ³

PERFORMANCE DATA | SCG TESTING

Flammability - BS 4790 radius of effects of ignition (hot metal nut test) low or medium radius effect BS 4790.
Loss in thickness after static loading BS 4939
Loss in thickness after dynamic pass loading BS 4052
Work of compression after 1000 impacts BS4098.
Retention of Work of Compression BS4098.
Thermal resistance BS4745:1980 (ISO 5085):
Tog rating Impact.
Resistance to cracking BS 5808(A).
Sound insulation <ul style="list-style-type: none">• BS EN ISO 140-8 Measurement of Impact sound reduction .• BS EN ISO 717-2 Rating of the results of the above test..
All acoustic sound insulation figures are based on impact sound and not airborne sound i.e. the noise generated by foot traffic or objects falling on the floor.
As a general rule, underlays which absorb the greatest amount of energy (luxury use) will be the best at reducing impact sound.

CONVENTIONAL INSTALLATION :

- **Installation:** Install Formx Duo, printed PE film face up.
- **Carpet gripper:** Extra wide - Tritack | Standard for Wood, Concrete or Dual
- **Heat-bond Tape types for the covering carpet:** Stixx S40 | IF2010 Stixx | Stixx S60 | L6 | Kool Glide Super tape
- **Underlay Joints:** allnex Kraft Paper Tape or allnex Brown Vinyl Tape.
- **Carpet Seams:** allnex Lockfast Seam Sealer

DOUBLE BOND INSTALLATION :

- **Installation:** Install Formx double bond, printed PE film (mesh side) face to the sub floor.
- **Adhesives:** Goldstix | Ultrabond.
- **Heat-bond Tape types for the covering carpet:** 110mm Kool glide, (recommended in double bond applications):

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