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## SD-APPX100™

### Product Characteristics

#### Product Description

SD-APPX100 is a compound which consists of high quality amorphous thermoplastics modified with crystalline polymers to give it its strength.

#### General Information

##### Applications

SD-APPX100 is a raw material to produce polymer modified bitumen for waterproofing membranes for roofing. SD-APPX100 when incorporated into a bitumen compound during the mixing cycle dissolves on heating giving the modified bitumen outstanding properties. The good cold temperature flexibility is due to the use of thermoplastics with very low glass-transition temperatures, and its very low crystalline network.

##### Features

- Low to medium Viscosity
- Good cold temperature resistance
- High softening point

### Technical Information

Physical Properties	Test Method	Typical Value
Softening Point	ASTM D36	150 °C
Penetration (100/25/5)	ASTM D5	20 dmm
Penetration (100/60/5)	ASTM D5	80 dmm
Viscosity at 180°C	ASTM D4402	5500 cPs
Cold Flexibility	EN 1109	- 10 °C

The above values have been achieved using the following recipe;

Asphalt (Pen 180/200 dmm): 50%

Filler: 32%

SD-APPX100 Compound: 18%

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