



# TECHNICAL DATA SHEET

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Gilt Edge Industries Ltd®

## Feltworx

Nonwoven needle punched carpet underlay  
 100% Recycled wool and wool rich carpet

PROPERTY	AS 4288 Requirements	Typical Result
type		felt
thickness mm		10.0
weight g/m <sup>2</sup>		1200
<b>Breaking strength</b>		
Length (N/50mm)	<b>40 min</b>	389
Width (N/50mm)	<b>40 min</b>	234
<b>Extension at 40N Force</b>		
Length (%)	<b>20 max</b>	2.4
Width (%)	<b>20 max</b>	6.3
<b>Loss of Thickness</b>		
Static loading (%) after 24 hr recovery	<b>40 max</b>	24.9
Dynamic Loading (%)	<b>40 max</b>	17.4
<b>Work of Compression</b>		
Work of Compression (J/m <sup>2</sup> )		106
Work of Compression (J/m <sup>2</sup> ) after Dynamic Loading	<b>50 min-200 max</b>	86
Retention of Work of Compression after Loading (%)	<b>40 min</b>	81
Deflection at 100kpa after Loading (mm)	<b>1.5 min-9 max</b>	3.0
<b>Thermal Resistance (m<sup>2</sup>K/W) R value</b>	<b>ASTM C518-10</b>	0.28
<b>Acoustic Properties</b>		
Reduction of Impact Sound (dB)	<b>ISO 10140</b>	28
Noise Reduction Coefficient	<b>ISO 354</b>	0.30
<b>Insect Resist treatment</b>		Yes
<b>Anti-bacterial treatment-BioKlenz</b>		Yes
Natural Sanitiser based on citrus extracts		
<b>Classification</b>	<b>AS 4288:2003</b>	Heavy Commercial