



## BREEAM-NOR 2012 - Declaration

Hammer Carpets as a manufacturer of carpets belonging to the product category "resilient, textile and laminate floor coverings" (as defined in the technical Guide BREEAM-NOR ver. 1.0 (2012)), hereby declare compliance with relevant environmental requirements prescribed in the technical Guide BREEAM-NOR ver. 1.0 (2012), as outlined below.

The products covered by this declaration are listed in Appendix 1 (next page).

### Requirements in Hea 9:

Chapter 5.0 (Health & Indoor Air Quality), area Hea 9 (Pollution of indoor environment) for "resilient, textile and laminate floor coverings".

Testing was performed by testing laboratory Eurofins Product Testing A/S, Smedeskovvej 38, DK-8464 Galten, Denmark.

The products were tested with the following results:

Emission of Formaldehyde (after 28 days)		Emissions (after 28 days)	
Requirement in BREEAM-NOR ver. 1.0 <b>E1</b>	Test result (tested following the ISO 16000-series)	Requirement in BREEAM-NOR ver. 1.0 (NS-EN 15251:2007, annex C) <b>M1</b>	Test results (tested according to the ISO 16000-series)
E1 < 0,124 mg/m <sup>3</sup>	<b>Compliance</b>	TVOC < 0,20 mg/m <sup>2</sup> h Formaldehyde < 0,05 mg/m <sup>2</sup> h Ammonia < 0,03 mg/m <sup>2</sup> h	<b>Compliance</b> <b>Compliance</b> Not determined (but no ammonia has been added during the production).
		Carcinogens < 0,005 mg/m <sup>2</sup> h Sensory evaluation >+0,1 (Odor dissatisfaction < 15 %)	<b>Compliance</b> Not determined

### Requirements in Hea 13 and Hea 14

Chapter 5.0 (Health & Indoor Air Quality), area Hea 13 (Acoustic performance), area Hea 14 (Office Space).

The carpets listed in Appendix 1 will add to the acoustic performance of buildings. Values of Acoustical Insulation From Impact Noise falls within the range of approximately 24-30 dB (Theoretical calculation). Additional information can be provided if requested.

### Requirements in Mat 1

Chapter 9.0 (Materials), part 3 (EPD, Environmental Product Declaration), part 4 (Performance requirements for building products, based on EPD), and part 5 (Hazardous substances)

No EPD has been developed for our products.

Our 80%/20% wool/nylon products are not treated with substances relevant for the product group Carpets listed in Checklist A20 in the Technical Guide. This means that we do not add chemicals listed in BREEAM NOR 's checklist A20 during production of our 80%/20% wool/nylon products.

To improve the stain-resistance, our Nylon carpets have undergone an anti-soiling treatment. Chemicals listed in BREEAM NOR 's checklist A20 might have been added during production of our Nylon products.

The products are not treated with regulated substances according to REACH.

The products are CE-labeled according to EN 14041:2004 and manufactured at Hammer Carpets A/S.

Herning, February 2013

Claus Ørskov, production manager  
Hammer Carpets



## Appendix 1.

### **Products covered by the declaration:**

Hammerthor  
Hammerthor Sisal  
Hammer Prestige

Hammer Graphic (Laminated felt backing)  
Hammer Graphic (Laminated textile backing)  
Hammer Colortec (Laminated felt backing)  
Hammer Colortec (Laminated textile backing)

Hammer Aros  
Hector Plain  
Hector Structure  
Hector Effect  
Hector Universe

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