

Sustainable Data Sheet

February 2016 - Rev. 02



PRODUCT NAME

Eco One, Eco Two, Eco Tre, Eco 500, Eco Design

PRODUCT INFORMATION

type of manufacture:	woven	form of delivery:	roll width/length ca. 400 cm
surface texture:	ripstructure; woven structure, patterned	type of backing :	textile backing
pile fibre:	100 % PA	primary backing:	PP / PE
total weight:	2,200 - 2,300 g/m ²	total thickness:	4.0 - 4.5 mm
total pile weight:	ca. 750 - 850 g/m ²	thermal insulation:	ca. 0.12 m ² K/W
fire behaviour:	C _{fl} - s1 (hardly inflammable)		

ACOUSTICS CHARACTERISTICS

Impact sound reduction to DIN EN ISO 140-8: ca. 18 dB

Sound absorption coefficient (α_w) according to DIN EN ISO 11654: 0.15

EMSSION REQUIREMENTS

according to Green Label Plus (LEED) / examination after 14 days

meet the requirements by Green Label Plus for the following concentrations::

Formaldehyd, 4-Phenylcyclohexen

M1 - EMISSION CLASSIFICATION OF BUILDING MATERIALS - CRITERIA

complies with the requirements according to M1 (Finland) Protocol for Chemical and Sensory testing of Building Materials as published by Rakennustietosäätiö (version 15.12.2004)

TVOC	≤ 0.2 mg/m ² h	fulfilled
Formaldehyde	≤ 0.05 mg/m ² h	fulfilled
Carcinogenic compounds (category 1 to the IARC 1987)	≤ 0.05 mg/m ² h	fulfilled

BVB (BYGGVARUBEDÖMNINGEN) - CRITERIA

Indoor environment (BPD 3: Chapter 11 Indoor environment)

VOC

Criteria in line with: Emissions measured according to standard method e.g. ISO 16000-6:

-Information about emission rate is available for the five highest peaks of VOC

Formaldehyde

Criteria in line with: Emission rate for formaldehyde measured according to standard method SS-EN-717-1:2004 or equivalent.

Emission rate for formaldehyde	< 0.05 mg/m ³	fulfilled
--------------------------------	--------------------------	-----------

TVOC

Criteria in line with: Measured according to chamber method SSEN 134191/2 and analysis ISO 16000-9, 16000-10 and 16000-11

Emission rate for TVOC	< 200 µg/m ³	fulfilled
------------------------	-------------------------	-----------

BREEAM NOR VER. 1.1 (2012) NEW CONSTRUCTION - CRITERIA

Hea 09 - Pollutants in the Indoor environment

Criteria in line with EN 14041:2004, EN 717-1: 2004 (Formaldehyde E1) and NS-EN 15251: 2007. The level of emissions 4 weeks after production must be lower than what is posed as a requirement for low pollutant materials in NS-EN 15251:2007, Supplement C, and which are based upon the same measurement methodology/ test methodology that is used in Emission Classification of Building Materials (M1).

TVOC	≤ 0.2 mg/m ² h	fulfilled
Formaldehyde	≤ 0.05 mg/ m ² h (EN 15251:2007)	fulfilled
Formaldehyde	≤ 0,124 mg/m ³ (EN 717-1/2)	fulfilled
Ammonia*	≤ 0,03 mg/m ² h	fulfilled
Carcinogenic compounds (IARC 1987)	< 0.05 mg/m ² h	fulfilled

*With order and delivery with acrylic latex from a minimum quantity per color of 400 m².

Potential direct or indirect contribution to the following credits and categories:

Mat 01 - Materials specification

The products do not contain PFOS and PFOA.

Mat 07 - Designing for Robustness



Hea 13 - Acoustic performance