





**Product Declaration - BREEAM International New Construction 2016**

<b>MANUFACTURER</b>	NMC S.A.
<b>PRODUCT NAME</b>	ARSTYL®
<b>PRODUCT CHARACTERISTICS</b>	Mouldings, Pilasters and Ceiling Medallions in high-density, yellow, rigid polyurethane foam





NMC S.A.  
Gert-Noël-Straße  
4731 Eynatten  
Belgien


Product Rating			
BREEAM Category	BREEAM Assessment Issue	Max. influenced score	Fulfillment
<ul style="list-style-type: none"> <li>- The product contributes toward satisfying HEA 02 "Indoor air quality" under BREEAM.</li> <li>- The product contributes toward satisfying MAT 03 "Responsible sourcing of Materials" under BREEAM.</li> </ul>			
Health and Wellbeing	HEA 02: Indoor air quality		
	Emissions from building products	1 Credit	
	Emissions from building products (Exemplary Level)	1-2 Credit	
Materials	MAT 01: Life cycle impacts		
	Environmental product declarations (EPD)	1-6 Credits	
	MAT 03: Responsible sourcing of materials		
	Responsible sourcing of construction products	1-4 Credits	


**About BREEAM and Products - [www.breeam.com](http://www.breeam.com)**


This declaration helps to assess products easily according to the certification system BREEAM International New Construction 2016. Products are not reviewed or certified by BREEAM. BREEAM credit requirements cover the performance of materials in aggregate, not the performance of individual products or brands. For more information about BREEAM visit [www.breeam.com](http://www.breeam.com). The project team or the manufacturer is responsible to declare the compliance with the project requirements to achieve BREEAM credits. Below you find an explanation of the symbols. Detailed information are on the next pages.

 Product helps to achieve the BREEAM Credit

 Credit is not applicable to this product

 22% X% of the product contributes toward satisfying the Credit

 Required data not specified - for required data contact manufacturer

 Credit requirements are not fulfilled

**HEA 02: Indoor air quality**

1/2

**Intent**

To recognise and encourage a healthy internal environment through the specification and installation of appropriate ventilation, equipment and finishes.

**Requirement**

Emissions from building products

At least four of the five product types meet the emission limits, testing requirements and any additional requirements. Paints used in wet areas (e.g. bathrooms, kitchens, utility rooms) should protect against mould growth. (1 Credit)

Product types:

- Interior paints and coatings
- Wood-based products
- Flooring materials (including floor levelling compounds and resin flooring)
- Ceiling, wall, and acoustic and thermal insulation materials
- Interior adhesives and sealants (including flooring adhesives)

An additional credit can be achieved if four of the five product types meet the emission limits of the exemplary level. If all product categories meet the requirements for the exemplary level, two additional credits can be achieved. (1-2 credits)

**Detailed Rating**

No.	General Information			Emission (after 28 days)						Compliance	
	Product name	Manufacturer	Mass [%]	Formaldehyde [mg/m <sup>3</sup> ]		TVOC [mg/m <sup>3</sup> ]		Cat. 1A + 1B [mg/m <sup>3</sup> ]			Protection against mould growth
				Actual	Allowable	Actual	Allowable	Actual	Allowable		
	ARSTYL®	NMC S.A.	100%							see below	✓
	ARSTYL®	NMC S.A.	100%	0,0	0,06 *	0,042	1,0	0,0	0,001	N/A (only relevant for paints)	✓

\* For MDF the allowable limit for formaldehyde is  $\leq 0.08$  mg/m<sup>3</sup>.

**Other remarks on classification**

## HEA 02: Indoor air quality

2/2

## Detailed Rating Exemplary Level

No.	General Information			Emission Exemplary Level (after 28 days)										Compliance
	Product name	Manufacturer	Mass [%]	Formaldehyde [mg/m <sup>3</sup> ]		TVOC [mg/m <sup>3</sup> ]		TVOC-content [g/l]		TSVOC [mg/m <sup>3</sup> ]		Cat. 1A + 1B [mg/m <sup>3</sup> ]		
				Actual	Allowable	Actual	Allowable	Actual	Allowable	Actual	Allowable	Actual	Allowable	
	ARSTYL®	NMC S.A.	100%	see below										✓
1	ARSTYL®	NMC S.A.	100%	0,0	0,010	0,042	0,300	N/A	10 *	0,0	0,100	0,0	0,001	✓

\* Product category: N/A (The TVOC-Content is only relevant for paints and coatings)

**Product Declaration - BREEAM International New Construction 2016**
**MAT 01: Life cycle impacts**
**Intent**

To recognise and encourage the use of (robust and appropriate life cycle assessment tools and consequently the specification of) construction materials with a low environmental impact (including embodied carbon) over the full life cycle of the building.

**Requirement**

Environmental Product Declaration (EPD) can be used in Credit "MAT 01: Life cycle impacts" for the calculation of the Life-Cycle Assessment of the building. If no EPD exist, generic datasets will be used. (5 Credits)

Where a range of at least five products specified at Design Stage (DS) and installed by Post-Construction Stage (PCS) are covered by verified Environmental Product Declarations (EPD) you can achieve one Credit. (1 Credit)

To achieve the Exemplary Level you need ten products which are covered by verified Environmental Product Declarations (EPD).

**Detailed Rating**

No.	General Information			Life cycle impacts	Compliance
	Product name	Manufacturer	Mass [%]	Environmental Product Declaration	
	ARSTYL®	NMC S.A.	100%	not specified	—
1	ARSTYL®	NMC S.A.	100%	not specified	—

**Product Declaration - BREEAM International New Construction 2016**
**MAT 03: Responsible sourcing of materials**
**Intent**

To recognise and encourage the specification and procurement of responsibly sourced materials for key building elements (construction products).

**Requirement**

The available responsible sourcing credits can be awarded where the applicable construction products are responsibly sourced in accordance to one of the following certificate. Depending on the certificate, a different RSCS level will be achieved. (1-4 Credits)

**General:**

- Construction products/materials reused in-situ or within the same construction site, with only minor processing that does not alter the nature of the construction product/material (e.g. cleaning, cutting, fixing to other construction products). (RSCS level: 10)
- BES 6001 - Framework Standard for Responsible Sourcing (RSCS level: 5)

**Metals:**

- Eco-reinforcement (only for reinforcing steel products) (RSCS level: 5)
- CARES Sustainable Constructional Steel (SCS) Scheme (RSCS level: 5)

**Timber and Timber based products:**

- FSC 100%, Forest Stewardship Council (FSC) (RSCS level: 7)
- FSC Mix, Forest Stewardship Council (FSC) (RSCS level: 5)
- FSC Recycled, Forest Stewardship Council (FSC) (RSCS level: 5)
- PEFC Certified, Programme for the Endorsement of Forest Certification (PEFC) (RSCS level: 5)
- PEFC Recycled, Programme for the Endorsement of Forest Certification (PEFC) (RSCS level: 5)
- SFI certified 100 %, Sustainable Forestry Initiative Inc. (SFI) (RSCS level: 6)
- SFI recycled timber/fibre content, Sustainable Forestry Initiative Inc. (SFI) (RSCS level: 5)

**Manufacturer:**

- Environmental Management System (EMS) (certified): Key Process and supply chain extraction process (RSCS level: 2)
- Environmental Management System (EMS) (certified): Key Process (RSCS level: 1)

**Detailed Rating**

No.	General Information			Responsible sourcing of materials		Compliance
	Product name	Manufacturer	Mass [%]	Responsible sourcing scheme	RSCS Level	
	ARSTYL®	NMC S.A.	100%	Environmental Management System (EMS) ISO 14001 for Key Process	1	✓
1	ARSTYL®	NMC S.A.	100%	Environmental Management System (EMS) ISO 14001 for Key Process	1	✓

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