

Radici Pietro Industries & Brands
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Eurofins Product Testing A/S
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VOC EMISSION TEST REPORT

Indoor Air Comfort GOLD[®]


2 August 2018

1 Sample Information

Sample name	HAND TUFTED 80/20 (TUFTING WOOL & WOOL BLEND SYNTHETIC YUTE)
Batch no.	D003321
Production date	28/05/2018
Product type	Textile flooring
Sample reception	14/06/2018

The tested sample HAND TUFTED 80/20 (TUFTING WOOL & WOOL BLEND SYNTHETIC YUTE) has been selected by the customer as being representative for the product range of Ascot Supreme, Ascot Elite, Admiral, Marbella, Mathilde, Montecarlo, Montecarlo 1500, Richesse, Wool Decor 1050, Wool Decor 1250, Wool Decor 1400, Florida, Wool Decor 1550, Wool Twist, Wool Decor 1100, Wool Decor 1250, Wool Decor 1400, Hand Tufted 100% Wool, Hand Tufted 80% Wool 20% PA, Hand Tufted Wool Blend, Terra, Eliseo, Wool Style and Wool lux which according to the information of the manufacturer are based on the overall same chemical composition. The tested product HAND TUFTED 80/20 (TUFTING WOOL & WOOL BLEND SYNTHETIC YUTE) is considered to be the "worst-case"-product regarding VOC emissions. *

2 Brief Evaluation of the Results

Regulation or protocol	Conclusion	Version of regulation or protocol
French VOC Regulation		Regulation of March and May 2011 (DEVL1101903D and DEVL1104875A)
French CMR components	Pass	Regulation of April and May 2009 (DEVP0908633A and DEVP0910046A)
AgBB/ABG	Pass	Anforderungen an bauliche Anlagen bezüglich des Gesundheitsschutzes (ABG), Entwurf 31.08.2017
Belgian Regulation	Pass	Royal decree of May 2015 (C-2014/24239)
Indoor Air Comfort [®]	Pass	Indoor Air Comfort 6.0 of February 2017
Indoor Air Comfort GOLD [®]	Pass	Indoor Air Comfort GOLD 6.0 of February 2017
EN 717-1 [§]	E1	2004
BREEAM International	Compliant	GN22 v2.3 (March 2018): BREEAM Recognised Schemes for VOC Emissions from Building Products
LEED v4 (outside U.S.)	Compliant	LEED v4 for Building Design and Construction (April, 2015)
BREEAM [®] NOR	Pass	BREEAM-NOR New Construction v1.1 (May 2017)

Full details based on the testing and direct comparison with limit values are available in the following pages



Nanna Boholm
Chemist



Rasmus Stengaard Christensen
Analytical Service Manager, MSc in Chemistry

The results are only valid for the tested sample(s).

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2 August 2018

1 Sample Information

Sample name	WOOL DÉCOR 1400 FELT 550GR
Batch no.	B609802
Production date	04/05/2018
Product type	Textile flooring
Sample reception	14/06/2018

The tested sample WOOL DÉCOR 1400 FELT 550GR has been selected by the customer as being representative for the product range of Ascot Supreme, Ascot Elite, Admiral, Marbella, Mathilde, Montecarlo, Montecarlo 1500, Richesse, Dynasty, Florida, Wool Decor 1050 (filz), Wool Decor 1050 (filz 550), Wool Decor 1250 (filz), Wool Decor 1250 (filz 550), Wool Decor 1400 (filz), Wool Decor 1400 (filz 550), Wool Decor 1550 (filz), Wool Decor 1550 (filz 550), Wool Decor 1100 (350), Wool Decor 1250 (350), Wool Decor 1250 (550), Wool Decor 1250 (800), Wool Decor 1400 (350), Wool Decor 1400 (550), Hand Tufted 100% Wool and Hand Tufted 80% Wool 20% PA (which according to the information of the manufacturer are based on the overall same chemical composition. The tested product WOOL DÉCOR 1400 FELT 550GR is considered to be the "worst-case"-product regarding VOC emissions. *

2 Brief Evaluation of the Results

Regulation or protocol	Conclusion	Version of regulation or protocol
French VOC Regulation		Regulation of March and May 2011 (DEVL1101903D and DEVL1104875A)
French CMR components	Pass	Regulation of April and May 2009 (DEVP0908633A and DEVP0910046A)
AgBB/ABG	Pass	Anforderungen an bauliche Anlagen bezüglich des Gesundheitsschutzes (ABG), Entwurf 31.08.2017
Belgian Regulation	Pass	Royal decree of May 2015 (C-2014/24239)
Indoor Air Comfort [®]	Pass	Indoor Air Comfort 6.0 of February 2017
Indoor Air Comfort GOLD [®]	Pass	Indoor Air Comfort GOLD 6.0 of February 2017
EN 717-1 [§]	E1	2004
BREEAM International	Compliant	GN22 v2.3 (March 2018): BREEAM Recognised Schemes for VOC Emissions from Building Products
LEED v4 (outside U.S.)	Compliant	LEED v4 for Building Design and Construction (April, 2015)
BREEAM [®] NOR	Pass	BREEAM-NOR New Construction v1.1 (May 2017)

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Indoor Air Comfort GOLD[®]


2 August 2018

1 Sample Information

Sample name	MARATEA PREMIUM (WOVEN WOOL & WOOL_BLEND)
Batch no.	8064795
Production date	25/05/2018
Product type	Textile flooring
Sample reception	14/06/2018

The tested sample MARATEA PREMIUM (WOVEN WOOL & WOOL_BLEND) has been selected by the customer as being representative for the product range of Abetone, Abetone Boucle', Abetone Cut Loop, Abetone Club, Abetone Jacquard, Abetone Jacquard 8mm, Abetone Prima, Abetone Solo, Aria, Bordi, Botticelli, Capri, Cut-loop, Collezione Runner, City, Diamond, Diamond Jacquard, Intreccio, Axminster, Abetone Navy 8, Abetone 80/20, Crema 7, Rembrandt, Regal Club, Regent, Windsor 30, Windsor 32, Windsor 35, Windsor 38, Windsor 40, Windsor 40 9 mm, Windsor 45, Luna, Maratea, Maratea Premium, Petty, Petty Jacquard, Prima, President, Principe, Raffaello, Solo, Vasari, Boston, Quadri, Alloro, Fiori, Giotto, Rami Rombi, Runners, Stella, Sonetto and Diamante which according to the information of the manufacturer are based on the overall same chemical composition. The tested product MARATEA PREMIUM (WOVEN WOOL & WOOL_BLEND) is considered to be the "worst-case"-product regarding VOC emissions. *

2 Brief Evaluation of the Results

Regulation or protocol	Conclusion	Version of regulation or protocol
French VOC Regulation		Regulation of March and May 2011 (DEVL1101903D and DEVL1104875A)
French CMR components	Pass	Regulation of April and May 2009 (DEVP0908633A and DEVP0910046A)
AgBB/ABG	Pass	Anforderungen an bauliche Anlagen bezüglich des Gesundheitsschutzes (ABG), Entwurf 31.08.2017
Belgian Regulation	Pass	Royal decree of May 2015 (C-2014/24239)
Indoor Air Comfort [®]	Pass	Indoor Air Comfort 6.0 of February 2017
Indoor Air Comfort GOLD [®]	Pass	Indoor Air Comfort GOLD 6.0 of February 2017
EN 717-1 [§]	E1	2004
BREEAM International	Compliant	GN22 v2.3 (March 2018): BREEAM Recognised Schemes for VOC Emissions from Building Products
LEED v4 (outside U.S.)	Compliant	LEED v4 for Building Design and Construction (April, 2015)
BREEAM [®] NOR	Pass	BREEAM-NOR New Construction v1.1 (May 2017)

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Indoor Air Comfort GOLD[®]


2 August 2018

1 Sample Information

Sample name	GLAMOUR VAMP (TUFTING PA6_PA66 FELT BACKING)
Batch no.	B604171
Production date	29/04/2018
Product type	Textile flooring
Sample reception	14/06/2018

The tested sample GLAMOUR VAMP (TUFTING PA6_PA66 FELT BACKING) has been selected by the customer as being representative for the product range of Bari, COMPACT 770 (Geo 350), COMPACT 770 (Geo 550), CP 51 600 (Geo 350), CP 51 600 (Geo 550), Cp 51 770 (Geo 350), CP 51 770 (Geo 550), Glamour, Glamour (Geo 550), Glamour Pop-Vamp-Trendy, Dolce Vita, Funky, Iron, Forum 1150, India, Mosaico, Mosaico 1200, Hi Decor 700, Hi Decor 900 (Geo 350), Hi Decor 900 (Geo 550), Hi Decor 1100, Hi Decor 1300 (Geo 350), Hi Decor 1300 (Geo 550), Shining 1100 (Geo 350), Shining 1100 (Geo 550), Shining 1300 (Geo 350), Shining 1300 (Geo 550), Oceania, Room Decor (Geo 350), Room Decor (Geo 550), Nexus, Pinstripe (Geo 550), Pinstripe 1200, Stark, Touch, Verona, Verona Plus, Jazz, Blues, Country, Office, Platinum, Step, Tekno, Trotter, Vanity 800, Vanity 1000 (Geo 350), Vanity 1000 (Geo 550), Vanity 1200 (Geo 350), Vanity 1200 (Geo 550), Vanity 1400 (Geo 350) and Vanity 1400 (Geo 550) which according to the information of the manufacturer are based on the overall same chemical composition. The tested product GLAMOUR VAMP (TUFTING PA6_PA66 FELT BACKING) is considered to be the "worst-case"-product regarding VOC emissions. *

2 Brief Evaluation of the Results

Regulation or protocol	Conclusion	Version of regulation or protocol
French VOC Regulation		Regulation of March and May 2011 (DEVL1101903D and DEVL1104875A)
French CMR components	Pass	Regulation of April and May 2009 (DEVP0908633A and DEVP0910046A)
AgBB/ABG	Pass	Anforderungen an bauliche Anlagen bezüglich des Gesundheitsschutzes (ABG), Entwurf 31.08.2017
Belgian Regulation	Pass	Royal decree of May 2015 (C-2014/24239)
Indoor Air Comfort [®]	Pass	Indoor Air Comfort 6.0 of February 2017
Indoor Air Comfort GOLD [®]	Pass	Indoor Air Comfort GOLD 6.0 of February 2017
EN 717-1 [§]	E1	2004
BREEAM International	Compliant	GN22 v2.3 (March 2018): BREEAM Recognised Schemes for VOC Emissions from Building Products
LEED v4 (outside U.S.)	Compliant	LEED v4 for Building Design and Construction (April, 2015)
BREEAM [®] NOR	Pass	BREEAM-NOR New Construction v1.1 (May 2017)

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VOC EMISSION TEST REPORT

Indoor Air Comfort GOLD[®]


15 November 2018

1 Sample Information

Sample name	DEA (TUFTING PA6_PA66 SYNTHETIC YUTE)
Batch no.	D003327
Production date	29/05/2018
Product type	Textile flooring
Sample reception	14/06/2018


The tested sample DEA (TUFTING PA6_PA66 SYNTHETIC YUTE) has been selected by the customer as being representative for the product range of Australia, CP 51 600 NEX, CP51, Crystal 1000, Crystal 1150, Dea, Dolce Vita, Dolce Vita Decor, Eros, Fantasia, Revue, Flash, Forum 1150, Forum 1250, Glamour, Glamour Pop, Glamour Trendy, Glamour Vamp, Hi Decor 700, Hi Decor 800 SPOT, Hi Decor 900, Hi Decor 1100, Hi Decor 1300, Hi Decor 1600, Vanity 800, Vanity 1000, Vanity 1200, Vanity 1400, Iron, Lord, Malesia, Mosaico, Mosaico Decor, Sofia, Nexus, Rosane, Nexus Linea, Oceania, Pinstripe, Pinstripe Decor, Shining 1100, Shining 1300, Sole, Stark, Verona, Verona 750, Verona Heavy, Funky, Platinum, Structura, Bari, Room Decor, Jazz, Blues, Country, Office, Step, Tekno, Trotter, BLOOM 1100 and BLOOM 1300 which according to the information of the manufacturer are based on the overall same chemical composition. The tested product DEA (TUFTING PA6_PA66 SYNTHETIC YUTE) is considered to be the "worst-case"-product regarding VOC emissions. *

2 Brief Evaluation of the Results

Regulation or protocol	Conclusion	Version of regulation or protocol
French VOC Regulation		Regulation of March and May 2011 (DEVL1101903D and DEVL1104875A)
French CMR components	Pass	Regulation of April and May 2009 (DEVP0908633A and DEVP0910046A)
AgBB/ABG	Pass	Anforderungen an bauliche Anlagen bezüglich des Gesundheitsschutzes (ABG), Entwurf 31.08.2017
Belgian Regulation	Pass	Royal decree of May 2015 (C-2014/24239)
Indoor Air Comfort [®]	Pass	Indoor Air Comfort 6.0 of February 2017
Indoor Air Comfort GOLD [®]	Pass	Indoor Air Comfort GOLD 6.0 of February 2017
EN 717-1 [§]	E1	2004
BREEAM International	Compliant	GN22 v2.3 (March 2018): BREEAM Recognised Schemes for VOC Emissions from Building Products
LEED v4 (outside U.S.)	Compliant	LEED v4 for Building Design and Construction (April, 2015)
BREEAM [®] NOR	Pass	BREEAM-NOR New Construction v1.1 (May 2017)

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Analytical Service Manager


Nanna Boholm
Chemist

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