

TEST REPORT

2019AN1889

DATE OF RECEPTION

14/06/2019

DATE TESTS

Starting: 19/06/2019

Ending: 03/07/2019

APPLICANT

GABRIEL A/S
HULMAGERVEJ 55
DK-9000 Ålborg

Att. BENTE ELLINGSOE

IDENTIFICATION AND DESCRIPTION OF SAMPLES

REFERENCES

HUSH 8808 S-41800 61225 HUSH BEIGE
HUSH 8808 S-41800 63083 HUSH ORANGE
HUSH 8808 S-41800 65077 HUSH PURPLE
HUSH 8808 S-41800 66169 HUSH L. BLUE
HUSH 8808 S-41800 66170 HUSH BLUE
HUSH 8808 S-41800 68159 HUSH GREEN
HUSH 8808 S-41800 68160 HUSH D. GREEN
HUSH 8808 S-41800 60203 HUSH L. GREY
HUSH 8808 S-41800 61226 HUSH L. BEIGE

TESTS CARRIED OUT

- COLOUR FASTNESS TO ARTIFICIAL LIGHT.
- COLOUR FASTNESS TO RUBBING.
- MEANING OF COLOUR FASTNESS APPRAISAL EVALUATED WITH GREY SCALE.

Tests marked with * are not included within the scope of the ENAC accreditation



RESULTS

COLOUR FASTNESS TO ARTIFICIAL LIGHT

Standard

EN ISO 105-B02:2014. Method 2

Apparatus

Xenotest 440 02423E06

Exposure conditions

Normal

Evaluation conditions

Light camera Gretagmacbeth (02021N06)

Reference	Light fastness
HUSH 8808 S-41800 61225 HUSH BEIGE	5-6
HUSH 8808 S-41800 63083 HUSH ORANGE	5-6
HUSH 8808 S-41800 65077 HUSH PURPLE	5
HUSH 8808 S-41800 66169 HUSH L. BLUE	5
HUSH 8808 S-41800 66170 HUSH BLUE	5-6
HUSH 8808 S-41800 68159 HUSH GREEN	5
HUSH 8808 S-41800 68160 HUSH D. GREEN	5
HUSH 8808 S-41800 60203 HUSH L. GREY	5-6
HUSH 8808 S-41800 61226 HUSH L. BEIGE	5-6

REMARK

The fastness grade indicated comes up to:

- Depth change: More clear
- Hue change: No notes
- Brightness change: No notes

MEANING OF COLOUR VALUES FASTNESS TO ARTIFICIAL LIGHT

VALUE	MEANING
8	EXCELLENT
7	VERY GOOD
6	GOOD
5	MODERATE
4	FAIR
3	POOR BEHAVIOUR
2	POOR BEHAVIOUR
1	VERY POOR

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RESULTS

COLOUR FASTNESS TO RUBBING

Standard

ISO 105-X12:2016

Apparatus

Crockmeter

Starting test date

17/06/2019

Ending test date

01/07/2019

Conditioning time

> 4 H

Atmosphere for conditioning and testing**Temperature** $(20 \pm 2) ^\circ\text{C}$ **Relative Humidity** $(65 \pm 2) \% \text{Hr}$ **Pin**

Cylindrical

Applied force $(9 \pm 0,2) \text{ N}$ **% of water absorption for rubbing in humid**

95-100 %

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RESULTS

REFERENCE	DIRECTION	DRY STAINING	WET STAINING
HUSH 8808 S-41800 61225 HUSH BEIGE	Warp Weft	4-5	4-5
		4-5	4-5
HUSH 8808 S-41800 63083 HUSH ORANGE	Warp Weft	4-5	4-5
		4-5	4-5
HUSH 8808 S-41800 65077 HUSH PURPLE	Warp Weft	4-5	4-5
		4-5	4-5
HUSH 8808 S-41800 66169 HUSH L. BLUE	Warp Weft	4-5	4-5
		4-5	4-5
HUSH 8808 S-41800 66170 HUSH BLUE	Warp Weft	4-5	4-5
		4-5	4-5
HUSH 8808 S-41800 68159 HUSH GREEN	Warp Weft	4-5	4-5
		4-5	4-5
HUSH 8808 S-41800 68160 HUSH D. GREEN	Warp Weft	4-5	4-5
		4-5	4-5
HUSH 8808 S-41800 60203 HUSH L. GREY	Warp Weft	4-5	4-5
		4-5	4-5
HUSH 8808 S-41800 61226 HUSH L. BEIGE	Warp Weft	4-5	4-5
		4-5	4-5

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RESULTS

MEANING OF COLOUR FASTNESS APPRAISAL EVALUATED WITH GREY SCALE

VALUE	MEANING
5	VERY GOOD-EXCELLENT
4	GOOD
3	FAIR-MODERATE
2	POOR BEHAVIOUR
1	VERY POOR

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Isabel Soriano
Chief of Innovation Area

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