

Test report

Report no.:
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**DANISH
TECHNOLOGICAL
INSTITUTE**

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Customer: Kasper Ehlert
Fade Acoustic Ceilings Europe ApS
Stamholmen 157
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Samples: Fade Acoustical Plaster – LITHOS (marked 3A) and NCS colour 0502-Y (marked 3B)
Fade Acoustical Plaster – ALBUS (marked 4A) and NCS colour 0500-N (marked 4B)
Fade Acoustical Plaster – PLUS+ (marked 5A) and NCS colour 0300-N (marked 5B)

Sampling: The samples have been received here on 1 May 2017

Period: The testing has been carried out 30 May – 6 June 2017

Procedure: ISO 18314-1, 2015 Analytical colometry – Part 1: Practical colour measurement

Measuring colour on Fade Acoustic Plaster and the corresponding NCS colour and subsequent calculation of colour difference $\Delta E^*_{a,b}$.
Measuring surface reflectance

Result:

Colour difference:	Surface reflectance:
LITHOS: 3A/3B: $\Delta E^*_{a,b} = 3.4$	LITHOS: 3A: 79%
ALBUS: 4A/4B: $\Delta E^*_{a,b} = 3.5$	ALBUS: 4A: 80%
PLUS+: 5A/5B: $\Delta E^*_{a,b} = 3.3$	PLUS+: 5A: 83%

Storage: According to the general terms and conditions of The Danish Technological Institute

Remarks: None

Conditions: The test has been performed according to the conditions laid down by DANAK (The Danish Accreditation), cf. www.danak.dk, and the general terms and conditions of The Danish Technological Institute. The results from DTI's work in this report, i.e. analyses, assessments and instructions may only be used or reported in their entirety. The customer may not mention or refer to DTI or DTI's employees for advertising or marketing purposes unless the DTI has granted its written consent in each case

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Test Reg. nr. 127

Test

Measuring colour and surface reflectance

Test method

ISO 18314-1, 2015 Analytical colometry – Part 1: Practical colour measurement

Samples

Fade Acoustical Plaster – LITHOS (marked 3A) and NCS colour 0502-Y (marked 3B)
 Fade Acoustical Plaster – ALBUS (marked 4A) and NCS colour 0500-N (marked 4B)
 Fade Acoustical Plaster – PLUS+ (marked 5A) and NCS colour 0300-N (marked 5B)

Equipment

Colour measurement: Minolta Spectrophotometer CM-700d Geometry: d/8; Light source: D₆₅; CIELab. Viewing angle: 2°

Test results

Colour difference

Sample	L*	a*	b*	Sample	L*	a*	b*	Colour difference. ΔE* _{a,b}
3A	90.97	-1.01	4.81	3B	94.13	-1.72	6.13	
	91.24	-0.95	4.60		94.08	-1.72	6.11	
	91.05	-0.94	4.71		94.11	-1.71	6.12	
Mean	91.09	-0.97	4.71	Mean	94.11	-1.72	6.12	3.4
4A	91.88	-0.69	4.21	4B	94.28	-0.3	1.97	
	91.74	-0.70	4.39		94.31	-0.29	2.00	
	91.53	-0.68	4.55		94.33	-0.28	2.01	
Mean	91.72	-0.69	4.38	Mean	94.31	-0.29	1.99	3.5
5A	93.04	-0.58	3.09	5B	96.10	-0.20	2.46	
	92.96	-0.59	3.18		96.07	-0.19	2.48	
	92.82	-0.55	3.35		96.14	-0.20	2.51	
Mean	92.94	-0.57	3.21	Mean	96.10	-0.20	2.48	3.3

Surface reflectance

Sample	Reflectance, Y %
3A	78.42
	79.02
	78.60
Mean	<u>79</u>
4A	80.45
	80.12
	79.65
Mean	<u>80</u>
5A	83.07
	82.89
	82.55
Mean	<u>83</u>