

Test report

REPORT NO.: 836280



DANISH
TECHNOLOGICAL
INSTITUTE

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18 October 2018
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No. of encl.: 0
Init.: psl/bbi
Cosign.: *APR*

Customer: Fade Acoustic Ceilings Europe ApS
Stamholmen 157
DK-2650 Hvidovre

Samples: fade® Acoustic Plaster - PLUS+

Sampling: The sample has been received here on 17 October 2018

Period: The testing has been carried out 17 October 2018

Procedure: ASTM E1477 – 98A(2017)e1

Standard Test Method for Luminous Reflectance Factor of Acoustical Materials
by Use of Integrating-Sphere Reflectometers

Test performed by: Peter Sommer-Larsen, Senior specialist

Result: fade® Acoustic Plaster - PLUS+

| | | |
|-----------------------------|-----------|----------------|
| Luminous Reflectance Factor | CIE Y | = 83.6 +/- 0.1 |
| | CIELAB L* | = 93.3 +/- 0.1 |

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

Remarks: None

Conditions: The test has been performed according to the general terms and conditions of The Danish Technological Institute valid on the date of the agreement. The test results are solely referring to the tested (examined) materials.
Publication of extracts from the Test Report is allowed, if the testing laboratory has given a written approval.

Place: Danish Technological Institute, Taastrup, Plastics and Packaging Technology

Signature:

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Test

Measuring colour and Luminous Reflectance Factor

Test methods

ASTM E1477 – 98A(2017)e1 Standard Test Method for Luminous Reflectance Factor of Acoustical Materials by Use of Integrating-Sphere Reflectometers

Sample

One 150 mm x 150 mm sample of fade® Acoustic Plaster - PLUS+

Equipment

Colour measurement: Minolta Spectrophotometer CM-700d (32T60.13) incl White standard.
Geometry: d/8; Light source: D₆₅; CIE 1964 (10°) standard observer;
specular component included.

Test results

Luminous Reflectance Factor

CIE XYZ was measured at nine positions distributed over the surface of the sample. The Luminous Reflectance Factor = CIE Y.

The corresponding CIELAB L*a*b* values are also displayed.

| Measurement | Reflectance, Y % | Measurement | L* | a* | b* |
|-------------|------------------|-------------|-------|-------|------|
| 1 | 83.5 | 1 | 93.24 | -0.49 | 3.41 |
| 2 | 83.7 | 2 | 93.32 | -0.48 | 3.36 |
| 3 | 83.5 | 3 | 93.24 | -0.48 | 3.42 |
| 4 | 83.7 | 4 | 93.31 | -0.49 | 3.42 |
| 5 | 83.7 | 5 | 93.33 | -0.49 | 3.37 |
| 6 | 83.4 | 6 | 93.2 | -0.49 | 3.51 |
| 7 | 83.6 | 7 | 93.29 | -0.49 | 3.41 |
| 8 | 83.7 | 8 | 93.31 | -0.49 | 3.39 |
| 9 | 83.5 | 9 | 93.23 | -0.49 | 3.44 |
| Mean | 83.6 | Mean | 93.27 | -0.49 | 3.41 |
| SD(n-1) | 0.1 | SD(n-1) | 0.05 | 0.00 | 0.04 |