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Sample ID: 50x50 cm Plate 6 mm Naturel Keçe

	TEST	METHOD	Specimen	RESULT
*	Suspended Ceilings — Requirements And Test Methods	EN 13964 : 2014	50x50 cm Plate 6 mm Naturel Keçe	See Tables



Seal



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Environment

The requirements and standards apply to equipment intended for use in

X	Residential (domestic) environment
X	Commercial and light-industrial environment
X	Industrial environment
X	Medical environment

Scope

This European Standard covers membranes, individual substructure components, substructure kits and suspended ceiling kits intended to be placed on the market.

Classification Of Ceiling Exposure Conditions

The ceiling or component manufacturer shall state which of the classes of exposure of Table the suspended ceiling or component complies with the requirements.

Requirements	Result
The ceiling manufacturer shall state if the visible surfaces of the ceiling membrane and substructure are cleanable and, if so, what cleaning technique is required and what limitations apply	-
The ceiling manufacturer shall state if the visible surface of the ceiling membrane and substructure is re-paintable and, if so, what materials and techniques are recommended and what, if any, aspects of the ceiling's performance would be affected	-
The ceiling manufacturer shall state the likely effect of the cleaning and painting on other aspects of the performance of the ceiling	-
The ceiling manufacturer shall state the minimum maintenance requirements necessary to enable the ceiling to continue to meet its claimed performance during its working life	-

Flexural Tensile Strength

The membrane shall have sufficient strength to support its own mass when installed in the substructure. When any additional load is to be applied, the load which may be applied shall be specified. In addition to the minimum requirement that the membrane shall not fall out, it shall be of adequate strength to ensure that safety in use is maintained.

Table 8 — Classes Of Exposure

Class	Conditions
A	Building components exposed to varying relative humidity up to 70 % and varying temperature up to 25 °C but without corrosive pollutants
B	Building components exposed to varying relative humidity up to 90 % and varying temperature up to 30 °C but without corrosive pollutants
C	Building components exposed to varying relative humidity up to 95 % and varying temperature up to 30 °C and accompanied by a risk of condensation but without corrosive pollutants
D	More severe than the above

Annex F (Normative) Membrane Components – Flexural Tensile Strength Test

Table F.1 - Conditioning Of Test Samples

Class	Temperature (°C)	Humidity (%RH)	Duration (h)
B	30 ± 2	90 ± 5	168 ± 1
C		90 ± 5	
D	Conditioning as specified by the manufacturer (in accordance with Table 8)		

Procedure

Weigh the test specimen, take and record the measurements (i.e. length, width, height/thickness, material thickness). Mount the test specimen in the test frame, which consists out of the grid that the product is intended to use with or in a test frame representative for the end use conditions. Where relevant, test samples shall be submitted to testing within 30 min after leaving the conditioning chamber.

Test Without Loading (Minimum Normative Requirement)

At least 5 test samples shall be subjected to testing.

Loading

The specimen shall be loaded with 2,5 times the dead weight of the specimen; a uniformly distributed load, which shall be capable to follow the shape of the deflecting sample. The load shall be maintained for a duration of (600 ± 10) s.

Exposure Class According To Table 8	Load Type (One Or More Of The Following Options)
A	No load (-) Point load (N) Linear load (N/m1) Evenly distributed load (N/m2)
B	
C	
D	

Sample	Number of Test Performed	Class	Flexural Tensile Strength
50x50 cm Plate 6 mm Naturel Keçe	5	B	610 N

Sample Image



*****End of Report*****