

CERTIFICATE

of constancy of performance

1922 - CPR - 0751

In compliance with Regulation (EU) 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product

Exterior Grade Compact Laminate with flame retardant (thickness - more than 2.0 mm), Interior Grade Compact Laminate with flame retardant (thickness - more than 2.0 mm), Composite high pressure laminate (HPL) with flame retardant (thickness - less than 2.0 mm)

(List of tested characteristics described in Annex I, that is an integral part of this certificate)

placed on the market under the name or trade mark of

M/s GREENLAM INDUSTRIES LIMITED

**2ND FLOOR, WORLD MARK 1, WEST WING, IGI AIRPORT HOSPITALITY
NEW DELHI, NORTH WEST DELHI, DELHI, 110037**

and produced in the manufacturing plant

M/S GREENLAM INDUSTRIES LIMITED

**VILL PATERH BHONKU, PO- PANJEHRA, TEHSIL-NALAGARH,
DISTRICT-SOLAN, HIMACHAL PRADESH, PIN CODE-174101, INDIA**

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

EN 438-7:2005

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

This certificate was first issued on 09.09.2016 and will remain valid until 09.09.2020 as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body. The certificate is supported through annual surveillance audit and is reissued after each surveillance audit. The validity of the certificate may be confirmed in the CE register at the web address www.dedal-bg.net.



Issued:
Burgas, 20 September 2019

Embossed stamp of "Dedal - A&C" Ltd.

Manager:



arch. Galina Vasileva

ANNEX I TO CERTIFICATE OF CONSTANCY OF PERFORMANCE 1922 - CPR - 0751/20.09.2019

List of controlled characteristics:

| Characteristics, dimension | Clause | Method | Results | | | |
|---|--------|---------------------------------|---|------------------------------------|---|--|
| | | | COMPACT BRANDS | | | HPL BRANDS |
| | | | Greenlam Exterior Clads™, EDF/EDS | Greenlam Safeguard Plus (CGF) | Greenlam Labguardian Chemical Resistance Laminate | GREENLAM, NEWMIKA, GREENTOUCH, NEW POINT EIGHT, SPLENDOR, UNICORE, HD-GLOSS & POSTFORMING LAMINATE |
| Thickness | | | 6.0 mm | 12.0 mm | 16.0 mm | 0.8 mm |
| Substrate | | | NA | NA | NA | (Particle board) -44.0 mm |
| Reaction to fire | 4.2.2 | EN 13823 | B-s1, d0 | B-s1, d0 | C-s1, d2 | C-s1, d0 |
| | | EN 13501-1 | | | | |
| Fire resistance | 4.3.2 | EN 13501-2 | NPD | NPD | NPD | NPD |
| Water vapour permeability | 4.4 | EN ISO 12572 | NPD | NPD | NPD | NPD |
| Resistance to fixings | 4.5 | ISO 13894-1 | ≥ 2000 | ≥ 4000 | ≥ 4000 | No Requirement |
| Direct airborne sound insulation | 4.6 | EN ISO 1403 | NPD | NPD | NPD | NPD |
| | | EN ISO 7171 | | | | |
| Bonding strength N/mm2 | 4.7 | EN ISO 13894-1 | 1,49 | 1,42 | 1,42 | NPD |
| Flexural strength N/mm2 | 4.8 | EN ISO 178 | ≥ 80 | ≥ 80 | ≥ 80 | NPD |
| Flexural Modulus N/mm2 | | EN ISO 178 | ≥ 9000 | ≥ 9000 | ≥ 9000 | |
| Tensile Strength N/mm2 | | ISO 527-2 | 84,3 | 77,1 | 77,1 | |
| Thermal resistance/ Conductivity W/mo K | 4.9 | EN 12524 EN 12664 | 0,24 | 0,24 | 0,24 | 1,8 |
| Content of pentachlorophenol | 4.10.1 | EN 323 | NPD | NPD | NPD | NPD |
| Release of formaldehyde (µg/m³) | 4.11.1 | EN 717-1 UL-2818 | NPD | 9 (7.3 ppb) | 9 (7.3 ppb) | HPL- 9 (7.3 ppb), SUBSTRATE EN13986- E1 |
| Sound absorption | 4.11.2 | EN ISO 354 EN ISO 11654 | NPD | NPD | NPD | NPD |
| Thermal shock resistance | 4.12.1 | EN 438-2 | pass | pass | pass | NPD |
| Durability | 4.13 | ISO 13894-1 | Resistance to wet conditions pass | Immersion in boiling water pass | Immersion in boiling water pass | NPD |
| | | EN ISO 1183-1, Density-g/cm3 | ≥ 1.350 | ≥ 1.400 | ≥ 1.400 | Particle board - 0.620, HPL- 1.380, Composite Panel -0.654 |
| | | EN 438-2 | Rating - 5, Mass Increase Max 2.5 % | NPD | NPD | NPD |



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