



Dimensions of G-Ext® Exterior Decorative Panels

Length (mm)	Width (mm)	Area (m ²)
2800	1300	3.64
3050	1300	3.97

Thickness: 4 mm to 20 mm

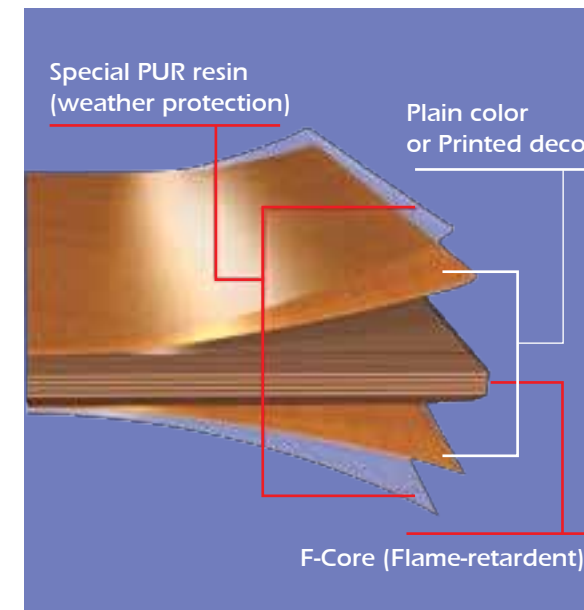
Composition

G-ext Exterior Decorative Panels are produced by impregnating large amount of kraft papers having resin-absorbing capability by pressing under high temperature of 170° C and pressure of 120 kg/cm². The high pressure and temperature provides molecular compaction of the mass and avoids formation of bacteria. For this reason, it is highly preferred by medical institutions. High pressure laminates have no alternatives especially for flat surfaces.

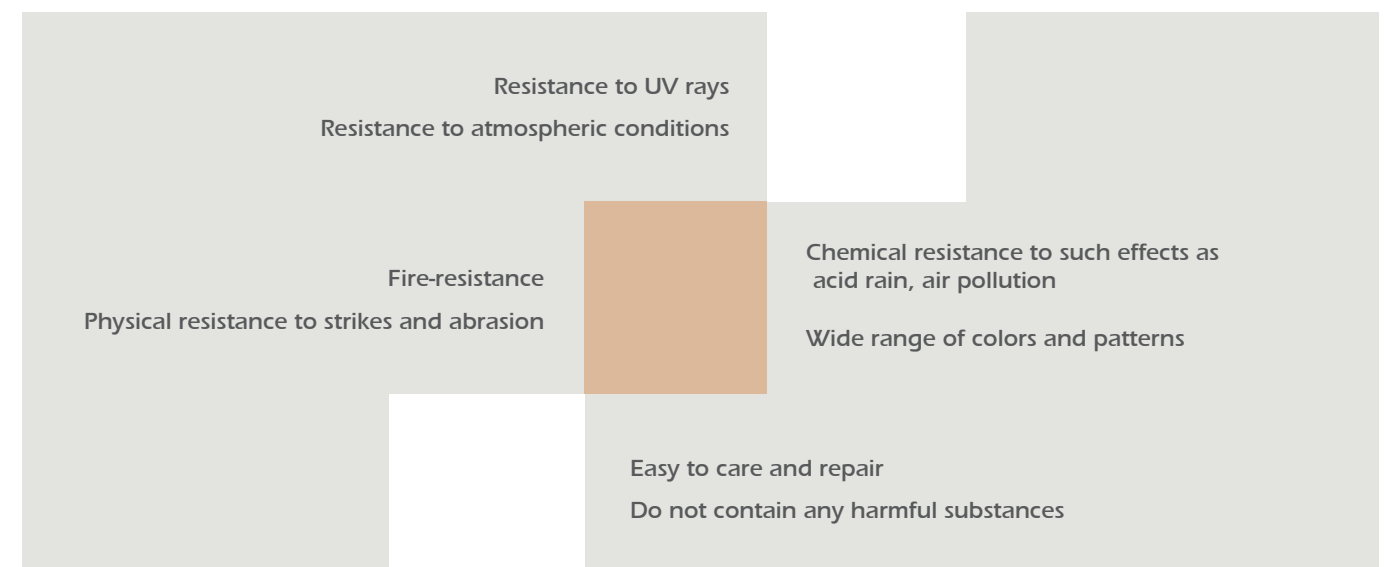
G-ext Exterior Decorative Panels are manufactured according to ISO 9001, EN 438-6 and EN 438-7 quality. The production is made in three different stages.

- Preparation of the paper
- Pressing
- Grinding and polishing with emery and giving dimensions

Due to the gap between the building surface and cladding panels, the buildings, decorated with Compact Laminate cladding systems, have maximum ventilation level together with prevention of humidity, heat losses and temperature drops. Wide range of colors and patterns offers more flexible and creative solutions in comparison with other metal and composite type cladding panels.



Characteristics of G-Ext® Laminate Panels



PARAMETER	G-Ext® VALUES	STANDARD VALUES	TEST METHOD
Thickness	Between 4 - 20 mm		
Dimensions	1300 x 2800 mm 1300 x 3050 mm		
Density	1400 kg / m ³	1350 kg / m ³	Norm EN ISO 1183-1
Surface	Exterior Finish		
UV Resistant	Contrast : 4-5 (3000 hours) Appearance : 5 (3000 hours)	Contrast : 3(1500 hours) Appearance : 5 (1500 hours)	EN 438-6
Resistance against Scratches	4 N	min 2 N	EN 438-2
Resistance against Abrasion	IP:200 , ORT:600	IP≥150, (IP+FB)/2>350	EN 438-2
Resistance against water vapor	Degree 5 (in all types)	Not worse than degree 4	EN 438-2
Flame Reaction	B-s2-d0 (HPL-EGF for 6 mm and higher) B-s1-d0 (HPL-EGS for 10 mm and higher) D-s2-d0 (for all thicknesses)	B-s2-d0 (HPL-EGF for 6 mm and higher) C-s2-d0 or better (for thickness HPL-EGF< 6 mm) D-s2-d0 or better (HPL-EDS)	EN 13501-1
Water vapor permeability	Wet case, μ110 Dry case, μ250	Wet case, μ110 Dry case, μ250	EN 438-7
Screwing from surface	2200 N (for 6mm)	2000 N (for 6 mm)	EN 438-7
Bending resistance	114 MPa	Min. 80 MPa	(Norm EN ISO 178) EN 438-6/7
Flexural modulus	16522 MPa	Min. 9000 MPa	(Norm EN ISO 178) EN 438-6/7
Resistance against thermal shock	Successful	Successful	EN 438-7
Pentachlorophenol	<5 ppm	<5 ppm	EN 438-7
Resistance against wet conditions	Degree 5	Appearance min degree 4	EN 438-6
Resistance against climatic conditions	Contrast : 5 Appearance: 5	Contrast : 3 min. Appearance: 4 min.	EN 438-6



Applications

Indian Construction industry has recently started to use compact exterior panels for exterior coverings of the most attractive buildings. These panels seen in important public buildings, new generation company headquarters, shopping centers and airport of the famous cities around the world, are preferred products by the architects due to its pastel color scale and natural wood designs.

G-ext exterior compact laminate panels are being used in any kinds of exterior covering applications such as residences, commercial buildings, shopping centers, banks, schools, airports, sports complex, public and private building and hospitals.



Area of Usage

- FACADE CLADDINGS
- BALCONY CLADDINGS
- FENCES & RAILINGS
- GATE APPLICATIONS
- ATTIC CLADDINGS
- SPORTS FACILITIES
- BUSINESS ENTRY PORTALS
- ALL KINDS OF EXTERIOR
- COVERING APPLICATIONS

