



Laminate Exterior Coating



High-Performance Laminate Coating

is a color option for Quaker's Manchester, Crusader, V200 and V300 Series of vinyl products.

Durability in the form of a performance-backed 10-year warranty.

An Ideal Cost-Effective Solution

when compared to painted vinyl. Our high-performance laminate coating option is both a time and cost saving alternative for commercial projects needing the trendy dark exterior look.

Colors and availability:

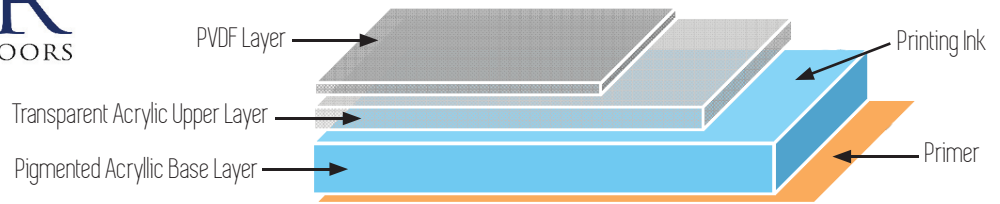
"Textured Black" or "Textured Dark Bronze". Both names derive from the textured feel on the surface (as opposed to the slick feel of Quaker's vinyl paint).

(Textured laminate not available on Patio Doors or Geometric shape windows. Exterior for those products available with matching textured paint only.)

	Black Exterior w/ White Interior	Black Exterior & Interior	Dark Bronze Exterior w/ White Interior	Dark Bronze Exterior & Interior
Manchester	✓	✓		
Crusader	✓	✓		
V200	✓	✓	✓	✓
V300	✓	✓	✓	✓

Type of Laminate

Embossed multilayer film manufactured in accordance with RAL GZ 716/1, for lamination on to substrates for interior and exterior application in vertical assembly of components. Primed on the back of the film



Technical Data

	Standard Test Method	Unit	Values	Tolerances
1) Thickness - 808302, 119501	DIN EN ISO 4593	µm	170	+ 20/-10
Thickness - 116701, 116801	DIN EN ISO 4593	µm	180	+15
2) Tensile stress at break	DIN EN ISO 527 - 3	MPa	15	≥ 15
3) Elongation at break	DIN EN ISO 527 - 3	%	60	≥ 60
4) Dimensional change	DIN 53377	%	5	≤ 5
5) Gloss - 808302	ISO 2813	Measuring unit	7-11	
Gloss - 116701, 116801	ISO 2813	Measuring unit	17-23	
Gloss - 119501	ISO 2813	Measuring unit	11-15	
6) Scratch resistance	Erichsen test 435	cN	20	≥ 20
7) Abrasion resistance	ISO 105 - X 12		Grade 5	
8) Embossing stability	Internal test method	No change in embossing, colour and gloss		
9) Weatherability	EN 513 - method 1	Colour change ≤ grey - scale 3 after the samples have received 18 GJ / m ² , according to the 1.5-fold requirements of RAL GZ 716/1		

to 1: Plunger - 10 mm Ø with flat surface, pressure 50 kPa, measuring over emboss structure
to 2, 3: Measurement in machine direction
to 4: 10 Min / 100°C
to 5: Surface with 60° measuring head. Exceptions possible for special colours or decors
to 8: 10 Min. / 80°C
to 9: Greyscale according to ISO 105 - A02

General Product Information

Profile processing: Laminated profiles can be welded, following manufacturing guidelines, without affecting the quality of the film.

Stress whitening: Due to the nature of the acrylic film, stress whitening can occur when forming. Unheated forming of the film, e.g. when pressing sheets at room temperature, is not recommended and will affect the warranty.

Chemical resistance: Due to the excellent chemical resistance of our laminates, they are resistant to most organic acids and bases, aliphatic and aromatic hydrocarbons, alcohols and halogenated solvents, and building materials, e.g. cement, gypsum. With the exception of fluorine, our film is also resistant to halogens (chlorine, bromine, iodine).
Not resistant to high polar organic solvents (e.g. acetone, ethyl acetate, dimethylformamide, dimethylacetamide), fuming sulphuric acid, amines, and basic liquids with pH > 12. Please take into account that the chemical compatibility is strongly dependent on time, temperature, concentration, chemical condition and state of aggregation of the substance. Please be careful near any cut edges of the film e.g. welded corners, as the film is unprotected in the cross section. Side penetration of chemicals can not be excluded.

Maintenance: Appropriate cleaning using a damp cloth with standard household cleaning agents, excluding abrasive products.

This technical information sheet represents our latest state of knowledge and shall inform without obligation. It is the duty of the customer to determine if the purchased product is suitable for its intended purpose.

Learn more about our color finishes and products by visiting our website

www.quakerwindows.com

