FIBREGLAST

685

Fibre Glast Developments Corporation
385 Carr Drive
Brookville, Ohio 45309
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Low-E Neutral Gel Coat

Typical Properties at 77°	Whites & Colors
Viscosity, Brookfield RVT#4 @ 20 rpm	3000-6000 cps
Thix Index, Brookfield RVT 5/50 rpm	5
Gel Time (1.5% MEKP-9)[2]	15-20 Minutes

*Properties are typical values based on materials tested. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

685 Low Emissions Neutral Gel Coat is formulated to beat the elements and protect your watercraft from sun, saltwater, and rough handling for lasting exterior beauty. 685 Low-E Neutral Gel Coat is engineered to spray well in the fabrication process, particularly where tapelines are critical and have been proven over the years to perform in condition requiring high levels of protection against damaging UV light, excellent blister resistance, or where excessive ambient temperatures exist. 685 Low-E Neutral Gel Coat is a highly durable ISO Gel Coat and is used as a base for 710 Colored Gel Coat. This gel coat cures to a brilliant gloss and is ideal for applications needing an opaque, lustrous and colorful surface. This gel coat is compatible with underwater and water contact in marine applications.

Features & Benefits

Excellent weathering and blister resistance, exceptionally application friendly, outstanding tape line pulls.

Application & Use

#685 Neutral Gel Coat is a premium gelcoat for spray applications. These gelcoats are preferred by boat shops for their superior application properties as well as their excellent weatherable and water-resistant finish.

Problems

DULLNESS: Dull mold surface, insufficient catalyst.
SLOW GELATION: Cold mold surface, insufficient catalyst, gel coat too thin
PINHOLES: Initial pass too heavy, insufficient atomizing pressure.
WRINKLING: Cold mold, insufficient catalyst, insufficient gel coat thickness.
GLASS-PATTERN PRINT-THROUGH: Gel coat too thin, cold mold, insufficient catalyst.
SAGGING: Excessive gel coat, insufficient atomization.
LIFTING OF GEL COAT FROM MOLD: Too much catalyst, mold too warm, gel coat applied too thick.

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Low-E White Gel Coat

Gel Coat Repairs
Small spot repairs are best done by dabbing the gel coat onto the area with a small brush and then covering with a piece of plastic to make sanding easier. In 4-6 hours, the area can be sanded and the process repeated as many times as necessary until the damage is filled. Large repairs are best achieved by spraying the material through automotive siphon or HVLP spray equipment which provide excellent material control. This white gel coat will have to be reduced with #1040 Hi-Gloss Gel Coat Additive to be sprayed through this type of equipment. To ensure a tack-free surface, wait 30 minutes after spraying gel coat and then spray on a layer of #13 PVA Parting Film. This will form a barrier to the air and prevent the tackiness problem. Wash film off with water in 4-6 hours before polishing.

Handling & Storage
DOT Label required: Flammable Liquid. This product contains ingredients which could be harm if mishandled. Contact with skin and eyes should be avoided and necessary protective equipment and clothing should be worn.

For good working practices, see Fibre Glast's "Learning Center". Store at temperatures between 65ºF (18ºC) & 80ºF (27ºC). Avoid exposure to heat sources such as direct sunlight or steam pipes. Agitate before use. Gelcoats perform best when temperature of the workshop, materials and tools are between 65-80ºF(18-27º) and relative humidity below 70%. A high quality MEK peroxide such as our #69 should be used between 1.5-2.5%. Keep sealed and avoid outdoor storage to prevent moisture pick-up and monomer loss. Rotate stock.

Commercial Warranty: When stored in accordance with above conditions, Fibre Glast warrants this product to remain within specifications for 3 months from date of shipment. All things being equal, higher storage temperatures reduce product stability and lower storage temperatures extend product stability.