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**Gelcoat Specialists**

# Technical Data Sheet

## PFRDG: Pre-Pigmented Fire Retardant Roofing Topcoat

### Description

PFRDG is a pre-pigmented, isophthalic acid based, filled fire-retardant roofing top-coat.

### Product use

PFRDG is recommended for use in flat roofing applications where regulations specify a fire-retardant system.

### Characteristics

PFRDG is designed for roller application which exhibits good levelling characteristics and sag resistance on inclined surfaces. The cured topcoat is tack-free and water-tight with excellent water and weather resistance providing a maintenance-free surface.

### Application

PFRDG is designed for use at ambient temperatures between 18°C and 25°C and requires the addition of 2% medium activity MEKP catalyst to achieve an efficient cure. For optimum performance the top-coat should be applied to a dry, dust-free surface and built up to film thickness of 500-600 microns to achieve the desired fire retardant characteristics in the finished structure. Before use, the temperature of the top-coat should be 18 - 25°C. For application at lower ambient temperatures a high activity MEKP catalyst can be used at an addition level of 2%.

### Post-Curing

PFRDG should be stored away from direct sunlight for performance and ease of application. For optimum post-curing, please contact the Colorplas Technical Department for relevant Technical Bulletin.

### Pre-pigmented liquid gelcoat properties

**Appearance** : Opaque  
**Liquid properties** : Thixotropic  
**Gel time** : < 15 minutes  
**(2% medium active MEKP @ 25°C)**

### Storage

PFRDG should be stored away from direct sunlight at a temperature not exceeding 23°C, in the original containers. The product is stable for up to 3 months from the date of manufacture. In the event of PFRDG expiring its stability period, it is recommended that the product should be checked for curing performance and ease of application.

### Important

The gel time and cure of PFRDG will vary in performance, depending on catalyst type, catalyst level and possibly different batches of the same type of catalyst. It is recommended that PFRDG should be checked for curing performance and ease of application on a small scale, prior to running in full production.

### Approvals

Conforms to BS476 Part 3:2004, FAB classification. When applied at a wet film thickness of 500 – 600 microns and fabricated with a single ply of 450 grams per square metre of emulsion bound chopped strand mat, consolidated with the optimum quantity of an orthophthalic acid based general purpose laminating resin onto 18 mm OSB3 grade board. Contact our Technical Service Department for specific recommendations.

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