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Product Datasheet

Diamond

Product description

Diamond is a fully-formulated, wet-laid, GRP waterproofing system.

Material features

- Materials are specially formulated for roofing applications
- Fast 'wet-out'
- Low styrene emission
- Pre-pigmented grey topcoat
- Fire retardent to BS476-3:2004 (Ext.F.AA)
- High flexibility
- Adjusted for seasonal variations in temperature
- Good inter-laminar adhesion
- Includes technical support
- Full training and on-site support available

Longevity

A study by Sholtz in 19781 investigating the weathering of polymers observed that over a period of 15 years there was a strength reduction of only 12% in GRP laminates. He calculated that a 1mm laminate panel would undergo a strength reduction over 50 years equivalent to the loss of 0.3mm of its thickness. A typical laminate on a Diamond roof is 1.5mm thick.

Properties in relation to fire

A flat roofing system comprising of a Diamond GRP laminate with non slip coating when tested to BS 476-3 : 2004 was designated EXT.F.AA.

Resistance to wind uplift

The Diamond GRP roofing system is fully-bonded to the roof substrate. The system will be resistant to any wind uplift that could reasonably be expected during the product's lifespan.

Areas of usage

The Diamond system can be used for waterproofing applications of almost any size or complexity.

Warm roof specification

The Diamond system can be specified to comply with current part 'L' regulations.

Resistance to foot traffic

In standard 450g/m² specification the Diamond system will be resistant to any level of foot traffic that it could reasonably be subjected to during its lifespan. 600g/m² specification is available for applications subject to heavy foot traffic such as walkways/balconies.

Finish options

The Diamond system is supplied pre-pigmented grey. There are two non-slip options available: coloured non-slip (granulated non-slip slate coating applied at 1000g/m²) and coated non-slip (granulated non-slip slate coating applied at 1500g/m²) which is required for applications where the fire rating is specified.

1.Sholz, D (1978) in Davis, A. & Sims, D (1983). Weathering of Polymers. Applied Science, 270-271.

Product Range

- Diamond Roofing Resin 10kg
- Diamond Roofing Resin 20kg
- Diamond Roofing Topcoat 5kg
- Diamond Roofing Topcoat 10kg
- Diamond Roofing Topcoat 20kg