RYETOP
POLYMER GRANO SCREED SYSTEM

DESCRIPTION
Ryetop is a polymer resin heavy duty flooring system laid onto Ryebrook Polymer Primer at a total weight of 31.2kg per m sq to give an average thickness of 12mm. The surface is closed with a metal float to give a slightly textured finish with good non-slip characteristics.

PROPERTIES
Bond Strength
Ryetop has excellent adhesion to most substrates.

Physical Strength
Ryetop has strengths far greater than concrete and will withstand abrasion and impact extremely well.

Chemical Resistance
Ryetop provides good resistance to oils and greases, with the resin content also giving improved protection against chemical attack by several chemicals. More sever chemical attack may be prevented by the application of Ryebrook epoxy resin seals.

Floating or Unbonded Construction
Ryetop can be laid unbounded at a minimum thickness of 50mm or floating at a minimum thickness of 75mm. In both cases they should be reinforced with D49 mesh.

The Ryetop in both cases should be laid onto a separation membrane/building paper.

Uses
Ryetop does not have to be laid monolithically with new concrete but rather can be applied at any time in the contract to suit the working programme.
Ryetop is also widely laid to re-surface old concrete without radically changing levels. Typical areas of use are workshops, warehouses, meat preparation rooms, plant rooms, etc.

PHYSICAL PROPERTIES

Slant Shear Bond Strength	47N/mm^2
Flexural Strength (Dry)	13.63N/mm^2
Flexural Strength (Wet)	8.20N/mm^2
Compressive Strength (Dry)	71N/mm^2
Compressive Strength (Wet)	59N/mm^2
Tensile Strength	7.5N/mm^2
Foot Traffic	24 hours
Medium Traffic	3 days
Heavy Traffic	5 days
Minimum Application temperature	5^{o}C

Surface Preparation
To be assured of maximum adhesion and properties from Ryebrook resin products, the correct surface preparation is essential. Please refer to technical data sheet "Surface Preparation" reference TD102.

Application Conditions
5-25^{o}C.

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Priming
The substrate must be primed to ensure bonding of the modified mix. Ryeprime TC is recommended, please refer to technical data sheet reference TD001.

Mixing
Best results are produced by using a forced actin mixer. Mix the aggregates together dry, then add the Ryepol SA, add water until the mortar just holds together when squeezed in the hand.

Application Techniques
Apply by trowel or plasterer's float, working the polymer cement up to the surface. Do not trowel after the polymer has started to cure.

Health and Safety
Please read technical data sheet reference TD103 and specific health and safety data for this product provided in compliance with the requirements of EC Directive 91/155.

Storage, Mixing & Application
The storage, mixing and application conditions can affect the quality of the finish produced. Please read technical data sheet reference TD104.

Technical Advice
For further information on this or any other Ryebrook product, please contact our Technical Department on 01293 565500.

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