ACRYLFLEX RRC

Description:
Acrylflex RRC (reinforced roof coating) is a liquid applied, water based and glass fibre membrane system which has been formulated to provide a water and weather-proof, elastomeric, tough, flexible membrane for concrete and many other building materials. It is very elastic in its behaviour.

Acrylflex RRC bonds and sets in-situ to provide a seamless, fully adhered, elastomeric membrane on the surface to which it is applied, making it ideal for:

- roof coatings;
- balcony floors;
- and other flooring applications.

The glass fibre reinforcing further adds to the durability of the Acrylflex RRC.

Acrylflex RRC has a unique set of performance properties:

- Resistance to ponding water;
- Reflectivity properties to assist with temperature control of the rooms below thus reducing energy costs;
- The ability to expand and contract to tolerate building movement;
- Excellent resistance to foot traffic,
- Dried film and the surface adhesion is not affected by humidity.

Medelec Switchgear Ltd – Zejtun

Ville Michel

A key property of the Acrylflex RRC elastomeric coating is, it contributes to an ongoing reduction in air conditioning costs due to its ability to reduce room temperatures in summer as the white coating reflects up to 85% of the heat from sunlight. It can also assist in the winter by reflecting heat downwards into the rooms. This combined with the UV blocking properties of the coating will help prevent degradation of the membrane which occurs in other roofing systems.

The extended lifespan of Acrylflex RRC makes it more attractive from a cost point of view over its lifetime to other cheaper roofing systems which need replacing far more frequently due to degradation and hence a shortened life span. Acrylflex RRC has repeatedly proven its durability and superiority to other coatings over the last 18 years on the Maltese Islands.

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Preparation
Preparation is the key to a successful elastomeric membrane.

- Previous unsound coatings should be removed and surfaces to be coated should be free from dust and powdery or flaking debris;
- All surfaces must be free from oil, grease, and any other contamination including mould and algae growth; The latter should be treated with anti-fungal detergent and pressure washed before application of the coating;
- All equipment, pipes and fittings should be removed before coating to ensure a seamless, gap free coating over the whole surface. Care should be taken when replacing equipment to ensure screws and fittings do not penetrate the membrane as this will allow water ingress.

Application
Roller, brush, trowel or spray. All equipment is easily cleaned with water before the Acrylflex RRC dries.

Colours
Acrylflex RRC can be coloured to a customers' requirement, however care should be taken when choosing dark colours which are in direct sunlight.

Adhesion Properties

Cured Concrete	Excellent	Glass fibre	Very Good
Aluminium	Excellent	Ceramic Tiles	Very Good
Wood	Excellent	Asbestos	Good
Plaster	Excellent	Galvanised Metal	Good

Flame Retardant A version with flame retardant properties is also available.
Exterior and interior paints based on the same technology are also available.

Physical & Chemical Properties

Typical Properties	**Acrylflex RRC**
Solids Content Wet (with fibre)	75%
Solids Content Dry	98%
Theoretical Yield (dry)	1kg = 1 sq metre @ 1mm thickness
Elasticity @ 1mm thickness	500%
Appearance Wet	Milky white or coloured liquid
Odour	Moderate (acrylic)
Boiling Point	100°C
Freezing Point	0°C
Specific Gravity	1.15-1.20
Vapour Density (Air=1)	1.1
Vapour Pressure mbar@20°C	As water


"Race against time" to complete works at MUSEUM chapel

Michael Testa

Composition
Acrylflex RRC is a water based acrylic resin copolymer. Acrylflex RRC is not classified as hazardous under REACH (Registration, Evaluation, Authorisation and Restriction of Chemicals) Regulation (EC) No 1907/2006 and its Amendments. It is an Environmentally Friendly product which is not classified as Dangerous for the Environment.

Other Information
The information on this product data sheet is provided in good faith. It is based on the knowledge at the date of issue and in accordance with UK and EC regulations.