

SIRRENDER

Description:

Sirrender is a liquid applied, water based and rubber crumb paint system which has been formulated to provide a water and weather-proof, elastomeric, tough, flexible membrane for Lime stone, concrete and many other building materials. It is very elastic in its behaviour.

Sirrender 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:

- Apra morta coatings;
- Appog walls;
- and other wall coating applications.



The rubber crumb further adds to the durability of the system. Sirrender can also be used as a paint where



waterproofing and flexibility properties are needed, particularly on walls prone to cracking, powdering or flaking.

Sirrender has a unique set of performance properties:

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

A Sirrender coating key property is, it being a semi permeable membrane. It allows the substrate that it is applied on to breath. This combined with

the UV blocking properties of the coating will help prevent degradation of the membrane as well as the substrate that it is applied on, which occurs in other paint systems.

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

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;

Application

Roller, brush, spray. All equipment is easily cleaned with water before the Sirrender dries.

Colours

Sirrender 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	Aluminium	Excellent
Wood	Excellent	Plaster	Excellent
Ceramic Tiles	Very Good	Glass fibre	Very Good
Limestone	VeryGood	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.

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Physical & Chemical Properties

Typical Properties	Sirrender
Solids Content Wet (with rubber crumb)	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

Composition

Sirrender is a water based acrylic resin copolymer. Sirrender 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.