

MULTIFLEX HYGAURD 1203

Acrylic Waterproofing System

Description

An acrylic co-polymer emulsion which dries to give a tough, flexible coating. This coating as well as exhibiting extremely good elasticity and film build, also provides a long-lasting UV resistant finish. Exposed for 1000 hours in SABS Twin Arc Weathering cabinet (SABS 182) achieved 49,7% elongation and 13,7% exposed elongation.

Typical Applications

MULTIFLEX HYGUARD 1203 is a seamless liquid acrylic membrane which dries to give a very flexible, thick and tough waterproof coating, it is used for waterproofing and renovating pitched and flat roofs, asbestos cement, tiled surfaces, lightweight concrete screeds, bitumen based coatings and timber surfaces.

Advantages

- * Easy application to both horizontal and vertical surfaces
- * Waterthinned
- * Available in a range of colours

Typical Properties

Service Temperatures:	5° C to 80° C
Application Temperatures:	5° C to 35 ° C
Specific Gravity:	1,2
Dried Film Thickness:	± 0,8mm at 1 m ² /litre
Coverage Rate :	1-2m ² / litre depending on surface and application rate
Thinners:	Water
Storage:	Minimum 1 year in tightly sealed containers. Protect from frost before use
Elongation:	After 1000 hours exposure achieves 13.7% In Accordance with SABS 182: Non- Exposed achieves 49.7%

Directions for Use

- * MULTIFLEX HYGUARD 1203 may be applied by brush, squeegee or spray, the choice being dependent upon the size of the area to be treated.
- * Spray equipment should have a nozzle not smaller than 5 mm.
- * Check the suitability of all spray equipment before using.

Preparation

***Important Note:** No roof coating product can be expected to repair an existing roof which is not structurally sound or stable. Before using a surface coating the roof structure should be inspected and, if necessary, put in order. All cracked, broken, slipped or missing slates, tiles, sheets or other forms of covering should be replaced or refixed and cracks in felt or asphalt filled.

Safety Warning: Never coat roof lights, windows, glass and

translucent sheets. These may constitute a hidden hazard if disguised.

* Preparation of the surface is of great importance and will influence the degree of adhesion and life of the renovation. All roof surfaces to be coated should be sound, stable and clean, i.e. free from loose debris, dirt, dust, grease and all traces of algae and fungi growth should be removed using a stiff bristled brush. Hairline cracks and defects will be effectively filled and covered by the MULTIFLEX HYGUARD 1203 waterproof coating.

* In every case the first coat should be allowed to dry completely before applying the second. Before applying the second (and, if required, any further coats), the dried film should be inspected for any misses or imperfections which should be made good before continuing.

* The second (and any further coats) should be applied at right angles to the previous coat and in one direction only. Care should be taken not to 'scrub' the material or brush it out unevenly or too thinly.

Priming Coats

A primer is required prior to the application of MULTIFLEX HYGUARD 1203 onto porous surfaces.

Preparation

- * Allow the concrete roof deck or topping/ screed to fully cure.
- * A glass fibre felt underlay should be partially bonded to the surface.
- * The felt should be lapped, sealed and adequate ventilation provided for the materials beneath it.

Sheet Metal Roof

* The second (and any further coats) should be applied at right angles to the previous coat and in one direction only. Care should be taken not to 'scrub' the material or brush it out unevenly or too thinly.

* This rust inhibitive product should first be applied to the corroded metal surfaces and particular attention should be paid to bolt fixings where corrosion often begins.

* Apply a full coat of metal etch primer and allow to dry. Apply MULTIFLEX HYGUARD 1203 in two coats as per application procedures.

Applying Polyester Membrane with MULTIFLEX HYGUARD 1203

* Ensure that the surface to be coated is clean and receptive to the product.

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- * Apply a first coat at + 1,5m² 1 litre and immediately apply the polyester reinforcing membrane into the wet film using a brush charged with MULTIFLEX HYGUARD 1203.
- * Ensure that complete contact is achieved and that no air is trapped beneath the scrim.
- * The polyester membrane should be lapped by 50-75mm and the inside of each lap should be painted with MULTIFLEX HYGAURD 1203.
- * Small gaps and differences in levels should be bridged, ensure that the polyester membrane is not pulled too tightly across the gap, so that any movements in the structure will be accommodated. When the first coat has dried apply a second coat at right angles to the first.

Cleaning Tools

Tools should be washed in water.

Watchpoints

- * MULTIFLEX HYGUARD 1203 is not resistant to rain until it has fully dried.
- * Drying time may take just 2-4 hours on a good dry day or up to 24 hours or more depending upon the weather conditions. Generally, the product should not be applied if it is raining or if rain is threatening. It is best to apply the product in the morning of a good dry day.
- * MULTIFLEX HYGUARD 1203 is not resistant to frost until it has dried and should not be applied to roof materials which are frozen or frosted. When frost is expected before it has dried or generally if the ambient temperature will fall below 5°C on the day of application, it is suggested that treatment be delayed until weather conditions are favourable.
- * Do not apply to roofs with falls of less than 1:80.
- * The product is not suitable for permanent water immersion.

Packaging

Supplied in 5, 10 and 25 litre drums

Quality Assurance

MCC LIMPOPO's production and testing programmes comply with local testing standards.

Updates:

This data sheet supersedes all previous issues prior to this date:
31/05/97