



LIQUID APPLIED WATERPROOF COATINGS

PROVIDING SOLUTIONS FOR
PODIUM DECKS, BALCONIES
& ROOF TERRACES

WATERPROOFING IS FUTUREPROOFING.



HYDROGARD PUA

ELASTOMERIC 100% PURE POLYUREA WATERPROOF COATING

Description

HYDROGARD PUA, 100% pure, polyurea coating is applied as both a waterproof and protective coating for use in areas subject to structural movement. The coating comprises two liquid components; Isocyanates and amines which are highly reactive and designed to be mixed and spray applied to a wide variety of substrates. HYDROGARD PUA provides excellent elasticity and is an aromatic high density polyurea.

Uses

Designed to be used in conjunction with Premcrete below-ground waterproofing systems. HYDROGARD PUA is suitable for a wide variety of applications including metal roofs, structural concrete decks, asbestos substrates, expanded polystyrene and extruded polystyrene. The coating is particularly suited to structures that may require high levels of elasticity due to high expansion movements during temperature change.

Hot spray application

- ◆ Rapid curing – Under 15 seconds
- ◆ Certified for zero fall application
- ◆ BBA Certification
- ◆ Adaptable to varying substrate contours
- ◆ Up to 250m² coverage per hour by experienced applicators

HOT
SPRAY
APPLIED



EPOFLEX MMA

FLEXIBLE METHYL METHACRYLATE WATERPROOF COATING

Description

EPOFLEX MMA is two -component rapid-cure flexible waterproof membrane. The applied membrane provides an extremely durable finish which retains a degree of elasticity for the lifetime of the structure. It is highly impact resistant, making it suitable for areas which are to be trafficked. It remains completely impervious to water and when subjected to normal service condition it will provide an effective barrier to water and moisture for the life span of the structure. A slip resistant finish can be achieved by incorporating a quartz aggregate into the membrane.

Uses

EPOFLEX MMA is a two-component designed for use as a waterproof membrane for application to roofs, podium slabs, carpark decks and suspended walkways. It is particularly suitable for application to structures that are susceptible to minor cracking. The flexibility of the cured membrane ensures that the integrity of the membrane remains uncompromised in the event of a degree of movement in the base substrate. Suitable for internal and external use.

Spray and hand application

- ◆ Extremely rapid curing.
- ◆ BBA Certification.
- ◆ Excellent chemical resistance.
- ◆ One hour curing for foot traffic.
- ◆ 24 hours curing for vehicular traffic.
- ◆ Suitable for internal and external use.
- ◆ Gas and hydrocarbon resistant.

SPRAY
OR HAND
APPLIED



ALL THE FACTS

GOING DEEPER

If you require further information on these waterproofing products then you can simply visit our website and download our comprehensive data sheets.

HYDROGARD PUA

ELASTOMERIC 100% PURE POLYUREA
WATERPROOF COATING

TECHNICAL DATA

DESCRIPTION
HYDROGARD PUA, 100% pure, polyurea coating is applied as both a waterproof and protective coating for use in areas subject to structural movement. The coating comprises of two liquid components, isocyanates and amines which are highly reactive and designed to be mixed and spray applied to a wide variety of substrates. HYDROGARD PUA provides excellent elasticity and is an aromatic high density polyurea.

USES
HYDROGARD PUA is suitable for a wide variety of applications including metal roofs, structural concrete decks, substrate substrates, expanded polystyrene and extruded polystyrene. The coating is particularly suited to structures that may require high levels of elasticity due to high expansion movements during temperature change.

ADVANTAGES

- ◆ Rapid drying times - Under 15 seconds
- ◆ High elasticity with exceptional during ability
- ◆ Certified for zero VOC application
- ◆ Adaptable to varying substrate contours
- ◆ Up to 200m² covered per hour with experienced applicators

COMPLIANCE
HYDROGARD PUA is certified by the British Board of Agreement.

Property	Value
Application Temperature	Grey, White, Red
Application Thickness	1.5mm (Metal) 2mm (Concrete)
Tensile Strength at 23°C	13MPa
Elongation at 23°C	>400%
Elongation at 40°C	>350%
Tack-Free Time at 23°C	15-25 seconds
Curing time at 23°C	12 hours
Shore A hardness at 23°C	>75
Shore D hardness at 23°C	>35
VOC Content	0 (Solids content 100%)
Adherence to concrete	>2 MPa
Maximum moisture content of substrate	5% humidity

PREMCRETE

EPOFLEX MMA

FLEXIBLE METHYL METHACRYLATE
WATERPROOF COATING

TECHNICAL DATA

DESCRIPTION
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USES
EPOFLEX MMA is designed for use as a waterproof membrane for application to roofs, podium slabs, car park decks and suspended walkways. It is particularly suitable for application to structures that are susceptible to minor cracking. The flexibility of the cured membrane ensured that the integrity of the membrane remains uncompromised in the event of a degree of movement in the base substrate.

ADVANTAGES

- ◆ Extremely rapid curing
- ◆ BBA Certification
- ◆ Excellent chemical resistance
- ◆ One hour curing for foot traffic
- ◆ 24 hours curing for vehicular traffic
- ◆ Suitable for internal and external use
- ◆ Gas and hydrocarbon resistant

Property	Value
Colours	Grey plus any BS480 or RAL colour can be supplied.
Pot Life @20°C	25 minutes
Curing @ 20°C	Foot traffic after 1 hour Vehicular traffic after 24 hours
Elongation @ Break	120%
Adhesive bond to concrete	3 MPa (Substrate failure)
Temperature range during application	-30°C to +40°C
Service	-40°C to +80°C
Dry film thickness	2mm - 4mm

PREMCRETE

PREMCRETE - COMBINED SOLUTIONS GUARANTEED

By combining extensive experience, technical expertise and a diverse product range, we produce solutions for new and existing construction projects that require below-ground structural waterproofing and gas protection.

We manufacture epoxy and cementitious screeds, resin flooring systems, technical grouts, anchor resins, joint sealants and high-quality concrete repair systems. Premcrete can offer combined waterproofing and gas protection systems using external :

- Type A** Barrier Protection
- Type B** Integral Protection
- Type C** Drained Protection

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