

# AquaArm Gepotech H

(Formerly known as GEPOTECH-11/22(E))

Two component spray applied rapid setting waterproofing coating



## TECHNICAL DATA SHEET

### Product Description

AquaArm Gepotech H is a two component, spray applied fast setting coating based out of modified polyurethane/ Hybrid Polyurea Hybrid to achieve an elastic, high crack bridging waterproofing coating with long life expectancy.

### Uses

AquaArm Gepotech H is applied to protect and waterproof concrete structure like terrace, podium as a concealed system. In case of exposure to UV & weathering, it needs to be protected with UV stable Polyurethane coating FloARM PUD. It can be used in landscaped area to protect the structure from root penetration.

#### Application Area

- Bund walls
- JGS plants
- Processing vessels
- Storage tanks
- Reservoirs
- Podium/ Terrace
- Pipe coating
- Sewerage

### Features and Benefits

AquaArm Gepotech H is a high quality, two components reaction resin based on polyurea with the following properties:

- solvent free
- 100% solids
- extremely rapid setting
- high impact and abrasion resistance
- high chemical resistance
- resistant to weathering
- suitable for use in water pollution control systems
- crack-bridging up to 2.0 mm
- protects against corrosion
- impermeable to liquids
- high temperature resistance (temporarily up to +200° C)
- exceptional bond to reinforced concrete, steel,

### Application Method

#### Mixing instructions:

AquaArm Gepotech H may never be diluted. Two component products must always be mechanically mixed before use. In particular the pigmented Amine (component A) is to be vigorously mixed until a homogenous single colored material is produced. Use a drum mixer.

Ensure that no air is mixed into the material. The Isocyanate (component B) requires little or no effort to mix but must, however, be protected from humidity and desiccated as necessary. As necessary provide protection against drying (e.g. gel filter).

#### Working equipment:

To apply AquaArm Gepotech H heatable, two component high pressure spray equipment is required. We recommend: Duo Mix 2K-apparatus from IMT.

Both components are to be brought to an operating temperature of approx. +60° – +70°C over separate heating elements, in order to achieve the optimum viscosity. The tempered material is transported via a heated pipe feeder. During the application the temperature is kept constant.

The two components are mixed together in the mixing head of the spray gun and must be carried out at a pressure of >120kg/cm<sup>2</sup>. Tools must be cleaned immediately with an organic solvent. Pipework can be rinsed out e.g. with Mesamoll. Cured residues can only be mechanically removed.

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### Technical Data

#### Processing

Machine Type	Graco/Gusmer Spray machine
Material Pressure	>120kg/cm <sup>2</sup>
Material	Polyol Component 60-70°C
Temperature	Iso Component 65-70°C
Tack free time	1-2 min.

#### Typical Physical Properties

Property	Unit	Value	Test Method
Hardness	Shore A	80-95	DIN 53505
Tensile Strength	Mpa	>10	DIN 53504
Elongation	%	>400	DIN 53504
Tear Strength	Kg/cm	>40	ASTM D624
Pot life	Seconds	10± 2	Q/S-1020-QC
Density of Part-A	g/cm <sup>3</sup>	1.0 ± 0.05	DIN 51757
Density of Part-B	g/cm <sup>3</sup>	1.08± 0.05	DIN 51757
Viscosity of Part-A	cps	1000 ± 200	Q/S-1032-QC
Viscosity of Part-B	cps	1250 ± 200	Q/S-1032-QC

#### Advice:

- Only open the drums when commencing the installation work and protect both components from damp with appropriate means such as desiccant or nitrogen.
- Do not spray onto wet surfaces.
- Keep the drums at the specified temperature and pre-warm as necessary.
- AquaArm Gepotech H changes colour with exposure to UV rays.
- Before starting work, read all product information, application instructions, technical data sheets and Health & Safety data sheets.
- Wear eye protection and protective clothing during application.
- Applications that are not clearly explained in this technical data sheet may only be carried out after consultation with and written confirmation from the Technical Services Department of MYK Arment.
- All publications may be expanded or changed by the manufacturer without advance notice.
- When using in extremely heavy duty areas exposed to mechanical stresses and/or chemicals, please contact our technical services department. Please respect the data in the table below regarding chemical resistance.

\* depends on the amount of traffic.

\*\* Minimum thickness of the cured film at any point of the coating. This are technical limits of the products and do not reflect legal requirements for your application. Please review local building codes for confirming minimum film thickness. These may be higher than the technical possible minimum value stated.

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### Packaging

400 kg unit:

1 x 200 kg Polyol component (Blue barrels)

1 x 200 kg Isocyanate component B (Red barrels)

The weight ratios given relate to a balanced volume ratio of 1:1. Before filling the heated spray equipment containers, thoroughly mix the pigmented polyamine (A) component until a homogeneous even cloud is achieved. Use an appropriate drum stirrer.

### Storage and Shelf Life

12 months in the original unopened packaging (on pallets) when stored dry at a room temperature of +15°C to +25°C.

### Annotation

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### Product Categories Available



### Legal Note

The information, and, in particular, the recommendations relating to the application and end-use of MYK Arment products, are given in good faith based on MYK Arment current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with MYK Arment's recommendations. In practice, the difference in materials, substrates and actual site conditions are such that no warranty in respect of merchant ability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application & purpose. MYK Arment reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request.