

HEGGEL® Coat 145

Potable Water Application Epoxy Based Coating

You Build, We Protect!

Description:

HEGGEL Coat 145 is a two-component, liquid, solvent-free epoxy based coating with amine hardener designed for protection applications requiring direct contact with potable water. The coating is applied using a 2-K or 1-K airless hot spray system and forms a protective layer with high film build. It can achieve a 900 µm layer thickness in one application. The formulation is designed with reference to the technical requirements of BS 6920:2014 and AWWA C210.

Characteristics:

- Good corrosion resistance
- Designed for potable water applications
- Solvent-free
- Fast curing properties
- High-build application in a single coat

Application Areas:

HEGGEL Coat 145 is suitable for the internal protection of pipes, fittings, tanks, and containers intended for contact with drinking water.

Application Data:

Colour	RAL 1014 – Ivory Note: Other colours can be provided upon request, depending on technical feasibility and minimum order quantity.	
Mixing Ratio	Base : Hardener = 60 : 40 (Parts by weight) Base : Hardener = 1.75 : 1 (Parts by volume)	
Theoretical Consumption	~ 1.50 kg/m ² @ 1000 microns DFT Note: Performance in practice varies with site conditions; so, the stated coverage values should be used only as guidelines.	
Recommended Dry Film Thickness (DFT)	900 microns Note: The required DFT may vary depending on the application. Please contact HEGGEL.	
Temperature	20 °C	60 °C
Pot Life	45 min	9 min

Note: All the provided values are approximate and should be used as guidelines for specifications.

Technical Data:

Title	Standard	Value
Solids Content	-	100%
Density @ 23 °C	-	Base: 1.43 g/cm ³ Hardener: 1.66 g/cm ³ Mix: 1.50 g/cm ³
Viscosity @ 25 °C	-	Base: 4300 mPa.s Hardener: 4800 mPa.s

Packaging:

Base: Drum 250 kg / Hobbock 30 kg
Hardener: Drum 250 kg / Hobbock 30 kg

Storage:

~ 24 months when stored in a cool, dry place in tightly sealed original containers.

1. Surface Preparation

To obtain the best results commence by grit blasting the surface to strip off the previous coating, followed by high-pressure water jet cleaning to cleanse any surface chemical contaminants and soluble salts.

Remove all oil and grease, then abrasive blast the surface to ISO 8501-1 Sa 2.5 using angular grit. Clean away all dust and residues, and apply the coating immediately to avoid flash rusting.

2. Environmental Conditions

Environmental Conditions	Value
Maximum Relative Humidity	≤ 80%
Substrate Temperature	min. 10 °C
Dew Point Distance	min. 3 °C

3. Application Tools

Application may be carried out using a 2-component airless hot-spray system or a 1-component airless hot-spray system, depending on equipment setup and project requirements.

4. Mixing

Feed both components into the 2-component hot spray unit, ensuring an accurate mix ratio. Do not thin or add solvents at any stage.

When using 1-component equipment, premix the components accurately according to the specified mixing ratio before application.

5. Application

The coating is designed for high-build application in a single layer. Apply uniformly to achieve the specified dry film thickness.

The recommended processing temperature range for Base is 30 – 50 °C and for Hardener is 30 – 50 °C.

Note: Clean all equipment immediately after application.

6. Safety Measures

Explosion-protection requirements for construction and equipment are specified in accordance with DIN EN 16985.

The material safety data sheets of the individual components, the safety instructions on the packing (label) as well as the legal and local requirements for handling hazardous materials must be observed.

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All information contained herein is based on the current state of our knowledge and practical experience at the time of release. Therefore, please make sure that this is the latest edition of the Technical Data Sheet. All data are only intended as a guideline for informational purposes and do not constitute a legally-binding warranty of the suitability for a certain purpose of use, due to its dependence on site conditions and possible processing, use and applications. All information contained in this technical datasheet is subject to change without notice.

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