

APCOGUARD SF 155



High Build Epoxy

PRODUCT DESCRIPTION

A high build solvent free, non-toxic, modified amine cured epoxy coating designed for potable water tank lining.

- Excellent resistance to fresh and salt water
- High film build in single coat
- Low water permeability
- Non-toxic

Conforms to BS 6920:2000 as tested by The Water Quality Centre, UK

DESIGNED USE

- High build epoxy for the protection of steel and concrete.
- Internal Tank Lining.

PHYSICAL DATA

VOLUME SOLIDS (Based on ASTM D2697)	100%
TYPICAL DRY FILM THICKNESS	250 - 350 Microns
WET FILM THICKNESS	250 - 350 Microns
THEORETICAL COVERAGE	3.33 m ² /Ltr @ 300 microns DFT
COLOUR	Red and Yellow
FINISH	Gloss

APPLICATION DETAILS

METHOD OF APPLICATION:

Airless Spray

This is the recommended method of application.

Tip Size: 0.53- 0.74 mm (0.021 - 0.029 in), Pressure: 172 - 241 kg/cm² (2500 - 3500 psi) Observe the following precautions:

- Remove filters from the gun and pump before application.
- Do not use spray hose length more than 15 meters. If longer spray hoses are required airless spray equipment with pump ratio in excess of 45:1 is recommended for use.
- In-can temperature of base and hardener prior to mixing should ideally be maintained between 15°C to 30°C. If the paint temperature is mixing is above 30°C, there is a high risk of curing in can or in the spray equipment.
- Mix base and hardener only when applicator is ready to spray.
- Spraying should commence as soon as base and hardener and property mixed.
- Do not mix more than 10 liters of APCOGUARD SF 155 in the same container.
- Clean the spray equipment with Thinner-141 immediately after use.

Brush or Roller

May be used for difficult shapes or touch-up on for stripe coat. However, additional coats may be required to achieve the recommended film Thickness.

DRYING TIME:

substrate temp	Touch dry	Hard dry	Recoating Interval		Pot life
			Minimum	Maximum	
15°C	18 Hrs	36 Hrs	36 Hrs	5 Days	60 Mins
25°C	12 Hrs	24 Hrs	24 Hrs	4 Days	45 Mins
35°C	6 Hrs	12 Hrs	12 Hrs	3 Days	30 Mins

Above mentioned pot life was measured under controlled condition. However, for a 10 Ltr/5 Ltr mix, the heat developed by exothermic reaction between base & hardener in intense and it will shorten the practical pot life substantially.

NO. OF COMPONENTS Two

Mixing Ratio 4.26:1 (10 Ltrs- Base-8.1 L Hardner-1.9 L)

Application conditions Do not apply this product if the Relative Humidity Conditions exceeds 85%. Substrate temperature should be at least 3°C above the dew point during application and curing.

Thinner / Cleaning solvent Thinner-141 (Maximum 5% Addition in paint)

ADDITIONAL INFORMATION

Storage Instruction Store in a cool shaded dry area
Flash Point Mixed 27°C
Packaging 20 Litres
Shelf Life 12 Months

SURFACE PREPARATION

Before putting into service allow to cure the coating (eg. 7 Days at 30 C), repeatedly flush with fresh water or follow local standards as applicable.

This product should be applied to a surface that has been blast cleaned and suitably primed (e.g. with Epoxy Primers)

- Remove all wax, oil and grease by solvent cleaning in accordance with the guidelines given by SSPC-SP1.
- Where necessary remove weld spatter and round off all rough weld seams and sharp edges to a smooth surface.
- Abrasive blast clean to a minimum standard of Sa 2 ½ Swedish Standard SIS 05 59 00 or ISO 8501-1:1988.
- Any surface defects revealed by blast cleaning should be ground, filled or treated in a suitable manner.
- Maintain surface profile between 50-75 microns.
- After blasting, remove dust from the surface. Check the chloride level by Bresel Sampler and maintain below 60 mg/m².
- The surface to be coated must be clean and dry.

CONCRETE:

- Ensure that the surface is sound, cured for 28 days and moisture content below 4%. Remove slip agent, oil, grease and other contaminant by flame cleaning or suitable detergent. Remove laitance or make the smooth surface by abrasive blasting. Blowholes and other defects should be filled with solventless epoxy filler. APCOGUARD SF 155 may be applied directly to clean sound concrete provided the first coat is thinned by up to 20% or over an epoxy primer.

PRODUCT USE RESTRICTIONS

- Not recommended for immersion service in acidic or alkaline conditions.
- Dry heat resistance Up to 120°C
- On direct exposure to sunlight coating may slightly discolor and start chalking on prolong exposure.

SAFETY PRECAUTIONS

- Avoid contact with the skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust masks and gloves. Use a barrier cream.
- Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe vapor or spray.
- This product is flammable. Keep away from sources of ignition. Do not smoke. Take precautionary measures against static discharge. In case of fire – blanket flames with foam, carbon dioxide or dry chemicals
- Refer to MSDS for further information.

FIRST AID

- Eyes: In the event of accidental splashes, flush eyes with water immediately and obtain medical advice
- Skin: Wash skin thoroughly with soap and water or approved industrial cleaner.
- DO NOT USE solvent or thinners.
- Inhalation: Remove to fresh air, loosen collar and keep patient rested.
- Ingestion: In case of accidental ingestion, DO NOT INDUCE VOMITING. Obtain immediate medical attention

DISCLAIMER

The information provided on this data sheet is not intended to be complete and is provided as general advice only. It is the responsibility of the user to ensure that the product is suitable for the purpose for which he wishes to use it. As we have no control over the treatment of the product, the standard of surface preparation of the substrate, or other factors affecting the use of this product, we are not responsible for its performance nor would we accept any liability whatsoever or howsoever arising from the use of this product unless specifically agreed to in writing by us. The information contained in this data sheet may be modified by us from time to time, and without notice, in the light of our experience and continuous product development.