

PRODUCT PROFILE

FC-520 is a moderately flexible, two component, 100% solids, epoxy parging material for damp concrete and gasproofing.

FC-520 is a tough, moderately flexible 100% solids epoxy hybrid parging compound specifically formulated to be applied to wet or damp surfaces. Its excellent adhesion to damp surfaces and its ability to form an impervious membrane make it a superior alternative to tapes and mastic products. FC-520 is applied direct to wet surfaces and will cure at temperatures as low as 5C

FC-520 may be sprayed or trowel-applied in thicknesses exceeding 30 mils. When used with hand application, FC-520 may be massaged onto the surface and displace the surface moisture. Adhesion is gained by the displacement and exudation of the surface water. FC-520 has zero VOC and is odourless during and after the application.

TYPICAL APPLICATIONS:

- Waste Water Facilities
- Gasproofing
- Sewer Systems
- Pulp & Paper Facilities
- Secondary Containment
- Concrete Tanks
- General Maintenance
- Wet and sweating pipe

TECHNICAL DATA

PHYSICAL PROPERTIES:

Specific Gravity	1.20 (water =1)
Flash Point	>250F (121C)
Volatile Organic Compounds (VOC)	0 grams/litre
Recommended Coverage	10-60 mils to ensure pinhole free coverage
Container Size	20 Litre kit
Adhesion	Concrete: 300 - 600 psi Steel: 3000 psi
Hardness	Shore "D" 81
Impact resistance	160+ in. Lbs.

FC-520 TECHNICAL DATA

Pot Life	15 minutes at 20C 2 minutes at 65C
Tack Free Time	1.5 hours at 20C
Full Cure	7 days at 20C
Relative Humidity Tolerance	Up to 100%
Theoretical Coverage	1 sq. m / litre at 1 mm thickness
Cleaning Solvent	CEL 100 or CEL 150

APPLICATION PROCEDURES

SURFACE PREPARATION:

- 1) If contamination due to service is either present, or expected to be present on the existing substrate, cleanse with a 3000 psi water blast using a detergent solution capable of dissolving the contaminant. Rinse the washed surface with clean water prior to subsequent steps in order to remove the detergent from the surface.
- 2) All surfaces to be coated must be abrasive blasted to SSPC-SP10 with a profile of minimum 75 microns. (3 Mils). If the surface to be coated is wet from sweating , rinsing the pipe with water to clean of residual sand is recommended. Flash rusting will be visible and this is acceptable since FC-520 is designed to be surface tolerant.

PREPARATION & APPLICATION:

- 1) Store all materials in accordance with the manufacturers written recommendations. All materials shall be thoroughly mixed prior to application. Failure to do so may diminish the quality of the coating.
 - 2) Mix FC-520 component A and B together using a power mixer. Ensure a uniform colour to insure complete mixing.
 - 3) Apply FC-520 using a glove and massage the coating onto the surface of the steel in order to displace the water on the surface. Working the material by hand will remove the water and absorb it into the coating. Once the coating no longer pulls from the surface when spread, the coating is ready to be troweled to the desired thickness.
 - 4) Smooth the coating with a steel or plastic trowel and even the coating thickness to the desired film build.
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FC-520 APPLICATION PROCEDURES

PREPARATION & APPLICATION CONT=D :

RECOAT WINDOW:

SUBSTRATE TEMPERATURE	TACK FREE/RECOAT WINDOW	MODERATE SERVICE
21C	1.5 hours Approx	3 hours
15°C	3 hours Approx	5 hours

SUBSTRATE TEMPERATURE FOR APPLICATION:

Minimum recommended: 5C Maximum recommended: 50C

CAUTIONS:

1. It is important to remember that the pot life will vary depending on the quantity of epoxy mixed and the ambient temperature. Larger quantities and higher temperatures will reduce the pot life considerably.

CLEAN UP

Use **CEL 150** (flammable) or **CEL 100** (non-flammable) for clean-up. Consult and understand the Material Safety Data Sheet for each of these products before using them.

ORDERING INFORMATION

For additional information, prices or to place an order, please contact your ICAT Industries sales representative or call our offices direct.

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