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PRODUCT DATA / INSTRUCTIONS

Emecole Metro LLC

Emecole Metro RadonShield G-2

GENERAL DESCRIPTION

RadonShield G2 is a rapid cure elastomeric ASTM C-920 sealant designed for use on original construction and repairs that are subject to structural movement: expansion and control joints, perimeter caulk joints, entry way steps, precast concrete panel joints, copings, rises and tilt-wall joints, bunker silos, septic tanks and manure pits. It is a flexible resilient rubber that adheres to most construction materials, including: Concrete, Metal, Fiberglass, Plastic, PVC, Glass, Aluminumand Wood.

TECHNICAL DATA

TECHNICAL DATA: Properties	RadonShield G2 Value	Test Method
Movement Capability	±25%	ASTM C-719
Tensile Strength	260 psi	ASTM D-412
Shear Strength	215 psi	ASTM D-1002
Elongation	695%	ASTM D-412
Adhesion to Concrete	23 pli, cohesive failure	ASTM D-794
Shore A, Hardness	32	ASTM D-661
UV Stability	UV-A, No Change	UV-A,
Accelerated Weathering	(2,000 hours)	Weatherometer
Weatherometer	No measurable shrinkage after 14 days	_____
Service Temperature	40°F to 220°F (-40°C to 104°C)	continuous service
Application Ambient Temperature	40°F to 130°F (4°C to 55°C)	_____
Application Surface Temperature	40°F to 130°F (4°C to 55°C)	_____
Cure System	Hybrid, Moisture Cure	_____
VOC Content	17.4 grams/liter	_____
Cure Rate (77°F at 50% RH)	1/8” every 24 hours	_____
Gun Grade	Zero Slump	ASTM C-639

Product Data (cont'd)

FEATURES

- Finish: Gray, Mildew Resistant, Elastomeric Rubber
- Solvent & Isocyanate Free, 100% Solids, Will Not Shrink
- Meets ASTM C920, Type S, Grade NS.
- Tack free skin forms in 40 minutes (77°F at 50% Relative Humidity)
- Full cure takes place in 24 to 48 hours for ¼" beads and smaller.
- Excellent weatherability when exposed to: Ultraviolet Radiation, Rain, Infrared Radiation, and Atmospheric Hydrocarbons.
- Can be painted with emulsion or synthetic enamel paints.

DIRECTIONS FOR USE

SURFACE PREPARATION

The concrete must be clean and free from dust, dirt, grease and debris before application of RadonShield G2. Inspect surface for soundness. When surface is clean, sound and dry proceed with using the RadonShield G2.

Note: Make sure the surface is free from frost prior to application.

DO NOT USE petroleum solvents such as Mineral Spirits or Xylene for surface preparation.

PRIMING

For applications with continuous water immersion Emecole Metro recommends using a surface PRIMER.

APPLICATION INSTRUCTIONS

Maintain RadonShield G2 at room temperature before applying to ensure easy application. RadonShield G2 may be factory or field applied to seal various construction components. Work RadonShield G2 into rough surfaces to optimize surface contact. RadonShield G2 is not to be installed in ratios where joint depth is greater than half of the width. RadonShield G2 is not designed to bridge gaps larger than 1" or penetrate into joint depth further than ½". The use of a backer rod may be necessary in some applications. If using to fill cracks, avoid air entrapment by filling void with continuous bead of RadonShield G2.

COVERAGE AND FULL CURE RATES

10.1 ounce cartridges: ¼" diameter bead covers 7.5 linear feet.
Full cure for ¼" bead is 48 hours (77°F at 50% Relative Humidity).

20.2 ounce sausages: ¼" diameter bead covers 15 linear feet.
Full cure for ¼" bead is 48 hours (77°F at 50% Relative Humidity).

Product Data (cont'd)

STORAGE

12-month shelf life from manufacture date when stored in a cool, dry area. Elevated temperatures >100° F may reduce shelf life.

CLEANING

Tools should be cleaned with MEK or acetone before the sealant has completely cured. After curing, abrasion is necessary.

STORAGE AND SHELF LIFE

12 months in the original, sealed packaging between 5 and 25 °C.

- THIS PRODUCT IS CALIFORNIA PROPOSITION 65 COMPLIANT

LIMITED WARRANTY

Recommendations concerning the performance or use of this product are based upon independent test reports believed to be reliable. If the product is proven to be defective, at the option of the Manufacturer, it will be either replaced or the purchase price refunded. The Manufacturer will not be liable in excess of the purchase price. The user will be responsible for deciding if the product is suitable for his application and will assume all risk associated with the use of the product. This warranty is in lieu of any other warranty expressed or implied, including but not limited to an implied warranty of merchantability or an implied warranty of fitness for a particular use.