



Cathedral Stone® Products, Inc.

R-97 Water Repellent

R-97

R-97 can be applied to brick, grout, unpolished marble, limestone, tile, and other masonry surfaces. Dries clear on surface. Creates an easily cleanable surface for dirt, oil, grime, tar, soil, etc. Due to its water-based composition, R-97 is odorless and leaves a natural finish (no sheen) on the surface. R-97 works by penetrating into the substrate. It is not topical. After being absorbed, R-97 establishes a powerful chemical network within the substrate pores, keeping moisture and oil out. In addition to keeping treated surfaces dry and making it easy to clean, R-97 does not block the pores, permitting essential vapor transmission.

Features and Benefits

- Cost effective
- Contains no VOCs
- Non-Flammable
- Environmentally friendly
- Independent Lab Testing confirms breathability of 97 perms (WVP)
- UV Stable
- Alkali Resistant

Application Procedures

Always prepare a test area prior to full application.

Preparations

Surfaces should be clean, dry and absorbent before sealing with R-97. If surfaces are not new, they should be cleaned to insure R-97 achieves maximum penetration.

Directions

1. Apply with sprayer (35 psi or less), brush or roll. **DO NOT ATOMIZE**
2. **One application is required, saturate surface until it starts to run. If two coats are desired, always apply wet into wet. DO NOT LET FIRST COAT DRY BEFORE APPLYING SECOND COAT.**
3. **Allow to dry.** Surface will be dry in about an hour.

Note: R-97 works by absorbing into surfaces. R-97 will reach its maximum water & oil repellency in 24 hours.

Safety Requirements

Proper safety procedures should be followed at all times while handling this product. Refer to the Material Safety Data Sheet for important health/safety information before use.

Limitations

R-97 is not meant to seal cracks.
Not for polished granite or polished marble
Minimum Temperature for application 45°F

Packaging and Coverage

1 gallon, 5 gallon pails and 55 gallon drums. This will vary depending on the porosity of the surface. 200 to 300 sq ft. per gallon can be expected.

Storage/Shelf Life: Store at 32°F (0°C) to 100°F (38°C). Keep material sealed in airtight factory containers and store in a cool dry place. When properly stored, material will keep for a minimum of 1 year from the date of purchase.

Technical Data

Appearance/Odor	Cloudy liquid, odorless
Specific Gravity	(25°C) 1.08 ± 0.04
Classification	Floural Carbon Emulsion
Physical Form	Translucent Emulsion
pH(direct reading)	7
Non-volatile	Room Temperature

DO NOT ALLOW R-97 TO FREEZE!

Notice: The information contained herein is based on our own research and the research of others, and it is provided solely as a service to help users. It is believed to be accurate to the best of our knowledge. However, no guarantee of its accuracy can be made, and it is not intended to serve as the basis for determining this product's suitability in any particular situation. For this reason, purchasers are responsible to make their own tests and assume all risks associated with using this product.

11/2008

Materials Safety Data Sheet

February 19, 2010

I. General Information				
Chemical Name and Synonyms Proprietary Mixture		Trade Name & Synonyms R-97		
Chemical Family Fluorine Emulsion		Formula Emulation		
Proper DOT Shipping Name Not Regulated		DOT Hazard Classification N/A		
Manufactured by: Cathedral Stone Products		Information Phone Number (410) 782-9150		
Address 7266 Park Circle Drive Hanover, Maryland 21076		Emergency Contact Number (800) 331-1696		
II. Ingredients				
Principal Component	CAS #	Percent	OSHA PEL	ACGIH TLV
Water	7732-18-5	95-97	N/A	N/A
Proprietary Fluorocarbon	N/A	1-3	N/A	N/A
III. Physical Data				
Boiling Point: 100°C		Specific Gravity: 1		
Vapor Pressure: N/A		Percent VOC: 0		
Solubility in Water: Dispersible		Evaporation Rate: Same as Water		
Appearance: Milky white liquid		pH 2.3-3.1		
Odor: Glycol odor				
IV. Fire & Explosion Hazard Data				
Flash Point: None		Autoignition Temperature: None		
Flammable Limits: None		LEL: N/A UEL: N/A		
Extinguishing Media: This material is not combustible. Use media approved for the surrounding fire				
Special Fire Fighting Procedures: None				
Unusual Fire & Explosion Hazards: None				
V. Health Hazard Data				
OSHA Permissible Exposure Limit See Section II		ACGIH Threshold Limit Value See Section II		
Primary Routes of Entry: Eye, skin, inhalation, ingestion				
First Aid: Inhalation: Remove from area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult. Eye Contact: Flush eyes with plenty of water for at least 15 minutes, call a physician. Skin: Wash affected areas with plenty of water and soap if available for several minutes. Seek medical attention if irritation develops or persists. Ingestion: Give 3-4 glasses of water, DO NOT induce vomiting. If vomiting occurs,				