

FiberTech F-52

Insulating Ceramic Roof Sealer Coat

Description

FiberTech F-52 Insulating Ceramic Sealer Coat is a ceramic filled, Class A, water based coating, specially designed to waterproof and protect roof surfaces, masonry and brick on the exterior and all surfaces on the interior of buildings. The F-52 acts as a thermal barrier, and is highly mold resistant for use in areas where there is high humidity or constant mold growth. Its unique feature is its microsphere technology that performs as an insulating barrier. This technology was developed in conjunction with NASA. The microsphere technology uses a vacuum inside each ceramic sphere, which creates a thermal reflective layer - blocking 90% of infrared red heat that would normally enter through roof surfaces and exterior walls, thus producing a dramatic reduction in heat transference. Additionally, up to 85% of ultra violet rays are reflected back into the atmosphere. Using the F-52 will reduce sun damage and increase the life of an application. The coating also creates an R-value of up to 10, which can subsequently reduce the overall exterior temperature by as much as 20% depending upon the thickness of the dry mil film. This can reduce utility costs significantly. F-52 can also be applied on the interior of buildings to help prevent heating and cooling seepage.

Uses

FiberTech F-52 is effective in reducing the heat transfer from both the inside and outside of buildings because of its highly reflective properties and the ceramics in the film that disperse the heat away from the coated areas. It is self-priming and can be used on its own, or in conjunction with FiberTech F-50 Penetrating Stabilizer Primer, to form a waterproof jacket on all roof, metal, wood, masonry and brick surfaces even when surfaces show signs of surface instability. It is effective on all previously painted and unpainted interior and exterior, vertical and overhead surfaces. It can be applied over all roof, masonry, brick, terra cotta, stucco, SMU, wood, fiberboard, plaster, and metals surfaces (some surfaces require FiberTech F-50MR Primer or F-50MS Rust Inhibiting Primer). It has excellent adhesion and waterproofing properties and can stand up against ponding water on roof substrates including bituminous surfaces. It can also be applied to PVC surfaces. Please refer to the installation guidelines for the type of roof surface you are encasing.

Technical Data

Vehicle by Weight	20.2%
Pigment by Weight	50.5%
Volume Solids	58.8%
Weight	11.7LBS/GAL
Film Thickness	30-31 wet mils per coat
Recommended Coats	2 Coats
Coverage	60 Sq. ft. per gallon per coat
VOC	<42 GMS/LTR
Viscosity	115-130 KU
Dry Time @75°F	2-8 hours @ 75°F
Clean Up	Water

Surface Preparation

FiberTech F-52 Insulating Ceramic Roof Sealer Coat may be applied over any painted or unpainted surface without loss of effectiveness. Application is by brush, roller, or spray application. Surface to be painted should be clean, free from oils, grease, dirt and loose paint scale. No preparation is necessary to apply over the FiberTech F-50 Penetrating Primer. F-52 Sealer Coat produces no objectionable odors of fumes during the application process.

Application

Brush (nylon bristle), roller or spray. Product comes ready to use. Do not dilute.

Roll: Use ½" to ¾" nap synthetic roller cover. Roll in one direction. Do not over roll.

Conventional Air Spray: When applying by airless spray tip sizes range from .521 to .533 (.523-.527 work best for this application).

Apply at the rate of 60 square feet per gallon (16 dry mils) per coat. Two coats of 16 dry mils are required for our twenty-year limited warranty. Dries in 2-8 hours dependent upon temperature, humidity, and airflow. Make sure the first coat is dry before applying any subsequent material.

Warranty

ECI can warrant for a period of up to 20 years from the purchase date of this product that it is free from any manufacturers defects. This limited warranty is in lieu of any other warranty, expressed or implied, including but not limited to the implied warranties of merchantability and fitness for any particular purpose. ECI's sole liability under this limited warranty, shall be at its option, to replace any portion of the product proven to be defective in manufacture. Any defects must be reported to ECI within 30 days from discovery and the limited warranty period. This limited warranty does not extend to abuse of the coatings by owner or building occupants, improper maintenance, water damage, acts of god, or any other causes beyond manufacturers control.