

Description

TIC 2070AF Anti-Fungus Coating is a white, tough, washable, abrasion-resistant indoor coating for use over thermal insulation in areas where high humidity and elevated temperatures are a problem. It is designed to resist mold, fungus and mildew growth on its surface and protect the insulation system. It is also used as a lagging and a lap adhesive for canvas and glass lagging cloth where additional fungal resistance of the adhesive is required. It is good to use brushing application which will result in better coverage and more uniformly coated surfaces. It gives a neat white finish, and will not change color with age. The surface can be washed free of grease, oil, soot, and other dirt accumulation.

TIC 2070AF Anti-Fungus Coating provides a protective finish for insulation on air conditioning ducts and cold water piping when applied in 2 coats with 20 x 20 white glass cloth embedded between coats. When relative humidity exceeds 75 % for continuous periods, an additional coat of vapour barrier protection such as TIC 2010 or 4050 is suggested.

TIC 2070AF Anti-Fungus Coating gives the same proven qualities of standard TIC 2070 Resistance Coating with the benefit of excellent fungus resistance.

TIC 2070AF Anti-Fungus Coating contains no asbestos, lead, mercury, or mercury compounds.

Properties

Property	Specification	Test method
Color	White	TSTM-01
Application	Brush, spray	TSTM-06
Density	1.24 ± 0.05 Kg/ℓ(10.3 lbs/gal)	ASTM D 1475
Volume non-volatile	40 ± 1 %	ASTM D 1644
Weight non-volatile	51 ± 1 %	ASTM D 1644
Coverage	3.10 Kg/m ² (2.50 ℓ/m ²) Dried film thickness: 1.0 mm	TSTM-07
Drying time	Set to touch: 2 hours Dry through: 15 hours	ASTM D 1640
Service temperature limits	(Temperature at coated surface) -40 °C ~ 93 °C (-40 °F ~ 200 °F)	TSTM-04
Water vapour permeance	≤ 1.2 perms (DFT 0.8 mm)	ASTM E 96
Wet flammability	≥ 100 °C (212 °F)	ASTM D 3278
Fungal growth resistance	Rating=0, no fungal growth on surface. (Please refer to the picture on the next page.)	ASTM G 21
Surface burning characteristics	Classification: CLASS A Flame spread: 10 (0~25) Smoke developed: 5 (0~450) Surface: Applied over fiber reinforced cement board at a coverage rate of 40 sq. ft/gal (1.0 m ² /ℓ)	ASTM E 84

Limitations

Store and apply between 4 °C (40 °F) and 38 °C (100 °F).

Be careful with freezing material until dry.

Always test foil and paper facings for acceptable adhesion before using.

This product does not protect users or others against bacteria, viruses, germs or other disease organisms.

It does not take the place of normal cleaning and disinfecting procedures.

Application

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Anti-Fungus Coating

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Material Preparation

DO NOT THIN. Apply only to clean, dry, oil-free surfaces. Keep container closed when not in use.

Application

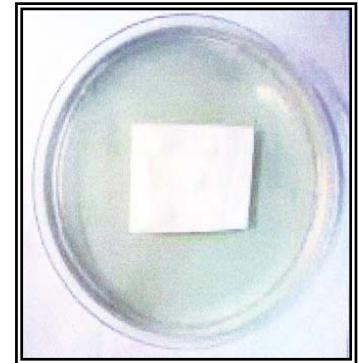
- Apply a tack coat of TIC 2070 AF Anti-Fungus Coating at 1.0 ~ 1.7 m²/ℓ (wet film thickness: 1.0 ~ 0.6 mm)
- Immediately imbed the selected lagging fabric into the wet coating. Smooth to avoid wrinkles and overlap seams by at least 5 cm.
- Immediately apply a finish coat at 1.0 ~ 1.7 m²/ℓ (wet film thickness: 1.0 ~ 0.6 mm). The dry film thickness of this application will vary with the fabric selected.

1. **Brush** - Use clean paint brushes (suitable for water-base paints). Apply with full brush and spread out evenly.
2. **Spray** - TIC 2070AF Anti-Fungus Coating may be airless spray applied. For spray equipment information please consult Airless Spray Recommendations or contact your airless spray equipment supplier. Average viscosity range is 25,000 - 35,000 cps. Corrosion resistant pumps and fittings are suggested.

Clean-up

Use clean fresh water for cleaning brushes and equipment before product dries. Dry product may be removed with hot soapy water or strong solvents such as chlorinated solvent (non-flammable) or mineral spirits (flammable).

Fungus	<i>Aspergillus niger</i> ATCC 6275 <i>Chaetomium globosum</i> ATCC 6205 <i>Penicillium funiculosum</i> CMI ATCC 114933 <i>Paecilomyces Variotii</i> ATCC 18502 <i>Aspergillus terreus</i> QM 82j <i>Aureobasidium pullulans</i> ATCC 9348 <i>Penicillium ochrochloron</i> ATCC 9112 <i>Scopulariopsis brevicaulis</i> CMI 49528
Test condition	29 ± 1 °C (84 ± 2 °F), RH 85%, 6weeks
Sample size	25 cm × 25 cm



Note

Important: We make no other warranties and expressly disclaim any warranties of merchantability or fitness for a particular purpose. If a product fails to meet this limited warranty, purchaser's sole and exclusive remedy is replacement of the product or, at our option, refund of the purchase price. Our acceptance of any orders for the product is expressly conditional upon purchaser's assent to the terms on the applicable invoice.

Adequate Tests: The information contained herein we believe is correct to the best of our knowledge and tests. The recommendations and suggestions herein are made without guarantee or representation as to results. We recommend that adequate tests be performed by you to determine if this product meets all of your requirements. The warranted shelf life of our products is twelve months from date of shipment to the original purchaser.

TIC CORPORATION

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