



ThermaFinish™

MANUFACTURER

ThermaFinish

U.S. DISTRIBUTION
ThermaFinish LLC.
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PRODUCT OVERVIEW

ThermaFinish™ is a patented exterior coating system manufactured from 96% high-grade raw cork and a proprietary water-based acrylic, highly adhesive resin. ThermaFinish™ has superior thermal and acoustic insulation, and water resistance properties. Cork is a 100% renewable natural resource.

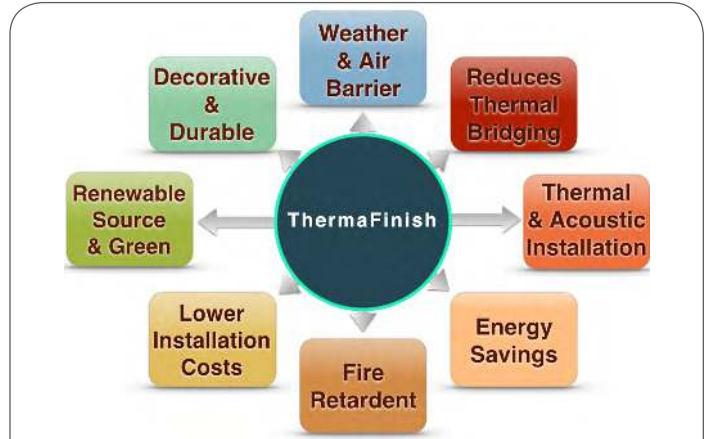
ThermaFinish™ is UV resistant and impervious to wind-driven rain while maintaining a high degree of water-vapor transmission. This unique combination allows for optimal protection of the substrate while permitting natural curing of the substrate to occur. The coating is inherently deterrent to insects as well as mold or mildew growth.

ThermaFinish™ has an extremely low thermal conductivity property, deterring heat and cold buildup; allowing the coating to remain comfortable to the touch in extreme environmental conditions. This attribute contributes significantly to energy savings.

Aesthetically, this exterior finish system presents a consistent surface appearance, with superior adhesion directly to installation substrates.

Unlike stucco and other rigid coatings, it is highly resistant to surface cracking due to its characteristic of remaining pliable and expandable after curing has occurred.

ThermaFinish™ is offered in a full range of integral, ultra UV resistant, color choices, eliminating the need for field painting, thus reducing application labor expense. If desired, the coating can be field painted as well.



ThermaFinish™ Coating System Benefits

SUPERIOR MOISTURE RESISTANCE	Continuous vapor permeable moisture barrier blocks out liquid water but still allows walls to dry-out.
INSULATION & ENERGY SAVING	Extremely efficient thermal conductivity resists heat and cold.
SIMPLIFIED INSTALLATION	Sprayable coating directly onto most substrates <i>with architectural finish and color.</i>

PRODUCT OPTIONS

ThermaFinish™ is available in four application formulations:

- Standard (Class A Flame Spread)
- 1 Hour Fire Rated Per Request
- Fireproof (Fire Performance Tested)
- Hi-Traffic (High Resistance)
- Waterproof

Refer to our website for a complete description of our product line, including a listing of physical properties and ASTM tested results.

SUSTAINABLE DESIGN CONTRIBUTIONS

ThermaFinish™ is a “green product.” It has a low VOC content and is completely free of formaldehyde and similar potential toxins. The installed material actually provides a negative carbon footprint.

ThermaFinish™ is 100% recyclable and qualifies for LEED credits. It is an ideal coating, due to energy savings qualities, for self-sustaining building projects.



Renewable Content

Recycled Content

Styrene Free

Potential LEED credit contributors include:

- MR Credit 4 Recycled Content
- MR Credit 6 Rapidly Renewable Materials
- IEQ Credit 4.2 Low-Emitting Materials
- ID Credit 1 Innovation in Design

APPLICATION

ThermaFinish™ requires minimal surface preparation for most substrates, such as but not limited to:

- Wall sheathing over wood or metal framing
- Concrete masonry
- Tilt-up concrete panels
- Metal roofing and siding
- Interior Ceiling/Floor/Walls

A two-coat spray application is recommended by a certified installer. Hand, palette knife, or trowel applications are alternative installation methods.

The installed coating system thickness is approximately 1/8 inch (125 mils) thickness, depending on application substrates.

Full drying time is 8 hours to 48 hours depending on substrate and application purpose.

WARRANTY

Manufacturer’s standard 15 +15 year material warranty, when applied according to manufacturer’s installation guidelines by a certified applicator.

NOTES AND LIMITATIONS

- Allow initial coat to fully dry prior to additional application.
- Insure substrate should be dry, stable, and free from dirt.
- Application temperature should be between 38° and 86° F. Storage should be between 38° and 90° F.



CERTIFICATIONS

The manufacturer carries ISO 9001 and ISO 14001 certifications, available for viewing on our website.

THERMAFINISH TECHNICAL DATA			
Accelerated Weathering 2000 Hrs.	ICC-ES AC59 <i>Direct Applied Finish Systems</i>	ASTM G155	Pass
Freeze / Thaw		AC59 5.2	Pass
Bond Strength (psi)		44	Pass (Adhered past substrate fail)
		46	
		22	
Racking		ASTM E72	Pass
Environmental Cycling		AC59 5.4	Pass
Salt/Spray		ASTM B117	Pass
Water Resistance		ASTM D2247	Pass
Transverse Load		ICC-ES AC212 <i>Water-Resistive Barriers</i>	ASTM E1233
Racking	ASTM E72		Pass
Environmental Cycling	AC212 4.7		Pass
Water Penetration	ASTM E331		Pass
Thermal Conductance		ASTM C518	0.648 k (Btu-in / ft2-°F-h)
Pull-Off Adhesion (psi)		ASTM D4541	215
Wind Driven Rain		ASTM D6904	Pass <0.01
Water Vapor Transmission (Perms)		ASTM E96 (A-Dry Cup)	1.88
		ASTM E96 (B-Wet Cup)	14.48
Resistance to Fungi		ASTM G21	0 (No Growth)
VOC		Max.	44 g/l
Spread Rate (approx) (ft ² per gal)			15
Solid Content			45%

CARE AND MAINTENANCE

Clean up with water prior to drying. Store and handle products according to manufacturers written recommendations. Refer to our website for care and full maintenance instructions.

CUSTOMER SERVICE

For product literature, samples, technical assistance or questions, please call 480.637.3800

FILE ORGANIZATION

File under the CSI MasterFormat classification system. Common numbers and titles are:

07 24 23 - Direct Applied Finish System