2120 Roberts Drive, Broadview, IL, 60155
(800) 635-3773
thermalchem.com

SINCE 1976 thermal·chem®

TECHNICAL DATA

POLYASPARTIC

PRODUCT #1070 Slow and Rapid Cure

PRODUCT DESCRIPTION

#1070 is a new generation, 85% solids, two-component aliphatic polyaspartic coating available in Slow and Rapid cure versions.

#1070 has a low odor, excellent chemical and abrasion resistance while providing superior gloss retention. **#1070** is a perfect coating system for interior or exterior applications where the finished surface may be exposed to high wear abrasion and ultra-violet light.

Packaging: Kit sizes are available are 1,3, 15 gallons

ADVANTAGES

- Water-clear formulation
- Slow and Rapid Cures Available
- Can be applied at lower temperatures, down to 25° F
- Excellent abrasion resistance
- Easy 2 to 1 mix ratio
- Excellent UV stability
- High-Gloss formulation

LIMITATIONS

- Do not apply in conditions with high humidity
- Do not any solvent to this product
- Check Thermal-Chem's Chemical Resistance chart if the area is going to be exposed to harsh chemicals

PRODUCT HANDLING

Read the Material Safety Data Sheet thoroughly before use.

Warning: For professional use only. Avoid contact of uncured material with skin and eyes. Contact with skin may result in irritation. Wash skin with soap and water. If contact with eyes should occur, flush with water for 15 minutes and seek immediate medical attention.

TECHNICAL DATA

Mix Ratio		2 parts A to 1 part B
Solids Content		85% (ASTM D-2697)
Viscosity Mixed		250-350 cps @ 75° F
Application Temps		25° F-80° F
	Slow	**Rapid**
Pot Life/Gel Time	45-60 minutes	30-40 minutes
Working Time	15-20 minutes	12-15 minutes
Dry to Touch	4 hours	2-3 hours
Recoat Time	12-18 hours	2-12 hours
Foot Traffic	6-8 hours Full	4 hours
Automotive Traffic	24 hours	Full 24 hours
Chemical Exposure	14 full days	7 full days

Please note that temperature and humidity will greatly influence cure time. Higher temps and humidity will shorten working time.

PRODUCT AVAILABILITY

Products are manufactured and available through the Thermal-Chem Corporation, 2120 Roberts Drive, Broadview, IL 60155 U.S.A.
Tel: (800) 635-3773 | (847) 288-9090
Email: sales@thermalchem.com
Website: www.thermalchem.com

CHEMICAL RESISTANCE

14 days to reach full chemical cure for Slow and 7 days for Rapid. Refer to Separate Product Chemical Resistance tables, or for specific product applications, contact your local Thermal-Chem representative.

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PRODUCT APPLICATION

Surface Preparation: New concrete must have a 28-day cure and be applied to a clean/sound substrate that is free of laitance and curing compounds. Mechanical preparation by means of shot-blasting or diamond grinding to a minimum of a CSP 2/3 as defined by ICRI, then properly vacuumed to remove any remaining dust.

Mixing: Mix both components for approximately 2-3 minutes. CAUTION: if mixing solvent-based products with an electric drill, sparks may ignite solvent odors. Whenever possible use a battery-operated cordless drill.

Applying Product: Apply #1070 with a squeegee, brush, or high-quality non-shed roller. Only mix the amount of product that can be properly applied within 10-15 minutes. Backroll the material in the opposite direction of how it was squeegeed onto the surface. DO NOT TURN THE MIXING VESSEL (BUCKET) OVER ON THE FLOOR IN AN EFFORT TO UTILIZE THE ENTIRE CONTENTS.

Typical Coverage will be between 100-300 square feet per gallon. This will vary depending on the surface to which the mixed product is applied.

TECHNICAL/SPECIFICATION SERVICES

Additional Product Data, complete Technical Support and Product Specifications are all available through Thermal-Chem Corporation or its local representatives.

Every reasonable precaution and effort has been taken in the manufacturer of all Thermal-Chem products to comply with the published product data. Actual product performance may vary slightly due to environmental influences and/or conditions.

LIMITED WARRANTY

Thermal-Chem Corporation warrants its product to be of good quality and will, at Thermal-Chem's sole discretion, replace or refund the original purchase price (if payment was made in accordance with Thermal-Chem's payment and credit terms) of any product proved defective or non-conforming. Satisfactory results depend not only upon quality products but also upon many factors beyond our control. **THE PARTIES AGREE THAT THE REPLACEMENT OR REFUND OF PRODUCT PAYMENT FOR DEFECTIVE PRODUCT OR NON-CONFORMING GOODS IS THE SOLE AND EXCULSIVE REMEDY. Therefore, except for such replacement, THERMAL-CHEM CORP. MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS,** and Thermal-Chem Corporation shall have no other liability with respect thereto, including without limitation, liability for incidental or consequential damages. Any claim regarding product defect must be received in writing within ninety (90) days from the date of shipment. No claim will be considered without such written notice or after the specified time interval. The user shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith.