



Product Information

HardCote is a revolutionary fast set, 100% solids, flexible two component spray elastomer that gives outstanding performance against abrasion tear and impact. It is designed to give exceptional values including tensile, high tear and impact resistance in severe demanding applications against abrasion and corrosion. It may be applied in single or multiple applications without major sagging and is relatively insensitive to moisture and temperature allowing application in most temperatures. Its extremely fast gel time works in applications down to -20°F.

Features

- Impact Dampening
- Thermal Stability
- Hydrolytic Stability
- Coat mild metals without primer
- Chemical Resistance
- Low Temperature Flexibility
- Abrasion and Tear Resistant

Packaging

10 Gallon Kit

5 Gallons Part-A (Isocyanate) and 5 Gallons Part-B (Resin)

100 Gallon Kit

50 Gallons Part-A (Isocyanate) and 50 Gallons Part-B (Resin)

Products are packaged by weight, so final package volume is a close estimation.

Limitations

Do not open until ready to use. Both Part-A and Part-B containers must be fitted with a desiccant device during use.

Colors

Clear/Neutral. Custom colors are available upon request. Color Packs, when used, must be added to Part-B.

Due to its aromatic composition, HardCote will tend to yellow or darken in color and will become flat after exposure to UV light.

Product Use

Applications

- Cargo Containers
- Dredging
- Landfill Containment
- Water / Wastewater
- Structural Steel
- Petrol Refineries
- Secondary Containment
- Marine Environments
- Manufacturing Facilities
- Mining Operations

Coverage Rate

HardCote can be applied at any rate to achieve desired thickness. Theoretical coverage for 1 mil thickness is one gallon per 1600 sq. ft.

Physical Properties

Mix Ratio by Volume	1A : 1B
Pot Life @ 150F	2-4 Seconds
Tack Free Time	20-40 Seconds
Hardness, ASTM D-2240	35 - 47 Shore D
Tensile Strength, ASTM D-412*	2900 - 3500 psi
Elongation, ASTM D-412*	225 - 325%
Tear Resistance, ASTM D-412*	300-400 pli
Water Vapor Perm, ASTM D471	1.340 perm-inch

The values stated in this data sheet are produced under controlled laboratory conditions.

Safety and Storage

For in-depth information on product safety and precautions, please review the product SDS sheets. Prior to using the product, ensure that you have the proper personal protection equipment (PPE) available. This includes but is not limited to the following items:

- Safety Glasses with a splash shield
- Minimum Organic Cartridge Respirator
- Rubber or Nitrile Gloves
- Disposable or Reusable Long Sleeve Overalls
- Rubber or leather boots

Always be sure to follow the precautions listed below when using the material:

- Do Not use near high heat or open flame
- Do Not take internally
- Keep out of reach of children

Hardcote has a shelf life of twelve (12) months from date of manufacture, in factory-sealed containers. Part-A and Part-B drums must be stored above 60°F. Store drums on wooden pallets to avoid direct contact with the ground. If stored for a long period of time, rotate Part-A and Part-B drums regularly.

Installation

Both Side-A and Side-B materials should be preconditioned to 75-80°F before application. Recommended surface temperature must be at least 5°F above the dew point. HardCote should be applied using a plural component, heated, high pressure 1:1 spray mixing equipment. Both Part-A and Part-B materials should be sprayed at a minimum of 2000 psi and at temperatures above 150°F. Adequate pre pressure and temperature should be maintained at all times. HardCote should be sprayed in smooth, multidirectional passes to improve uniform thickness and appearance.

Product Mixing

Must be installed using a 1:1 ratio plural high-pressure, heated pump, fitted with high-pressure impingement mix spray gun. The proper necessary equipment can vary by the individual application. Contact American Manufactured Poly for more support. HardCote may not be diluted under any circumstances. Thoroughly mix Part-B (Resin side) with air driven power equipment until a homogeneous mixture and color is obtained.

Clean-Up / Disposal

Excess material can be mixed together at the proper ratio and disposed of without restriction once cured. Product containers may be disposed of according to local, state and federal laws.

Equipment should be cleaned with an environmentally safe, urethane-grade solvent (alcohol free) as permitted under local regulations immediately after use.

Technical Support

For technical support, please call 317-209-1111 Monday to Friday between the hours of 8am – 5pm EST. You may also send an email anytime to sales@mccind.com.

Warranty

At its sole election, American Manufactured Poly LLC (the company) will refund the price of or replace product it finds to be defective provided the product has been used properly and installed by a certified American Manufactured Poly LLC applicator. Except as expressly stated above, the company makes no warranty of merchantability and no warranty of fitness for any particular purpose; nor does it make any warranty, express or implied, of any nature whatsoever with respect to the product or its use. In no event shall the company be liable for delay caused by defects, loss of use, indirect, special or consequential damages, or for any charges or expenses of any nature incurred without its written consent.

Other Information

Warning - This product contains Isocyanates and Curative Material.

Distributed by:
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