

# Specialized Industrial Materials, LLC

## Hard Coat Hybrid

### Spray Applied Polyurea Hybrid

#### Features

##### Tear Resistance

Hard Coat Hybrid is formulated to give superior toughness and tear resistance from a flexible, low thickness coating.

##### Mar Resistance

Hard Coat Hybrid resists scratches and scuffs from regular use and transport of finished items.

##### Excellent Adhesion

Hard Coat Hybrid soaks into the surface of prepared wood, foam and concrete for long lasting durability.

##### Water Resistant

Hard Coat Hybrid provides a water resistant membrane to protect wood from moisture and spills.

##### Zero VOCs

Hard Coat Hybrid is a 100% solids coating and is formulated with zero VOCs.

#### Application

Hard Coat Hybrid should be applied through a two-component, high pressure proportioning unit. Material and hose heaters should be heated to 150°F. Pressure should be a minimum of 2200 psi. If A side and B side pressures are not equal, stop spraying and examine equipment.

Be sure to consult with a Specialized Industrial Materials representative for specific recommendations regarding application.

#### Description

Hard Coat Hybrid is a 1:1, fast-set, spray applied two-component polyurea hybrid coating. It is 100% solids and contains zero VOC's.

Hard Coat Hybrid is a versatile coating that can be applied over foam, wood, concrete or steel. It exhibits excellent tensile, tear and elongation properties as well as promoting strong adhesion to foam, wood and concrete substrates without applying a primer.

#### Technical Data

Property	Value
<b>Hardness</b> , Shore D (ASTM D-2240)	57
<b>Tensile Strength</b> , psi (ASTM D-412)	4000
<b>Tear Strength</b> , pli (ASTM D-624)	400
<b>Elongation</b> , % (ASTM D-412)	250
<b>Flexibility</b> , 180° bend over 1/8 in. mandrel	Passes
<b>Abrasion Resistance</b> , mg loss CS17 wheels, 1000g, 1000 cycles	9
<b>Application Temperature</b>	
<b>Substrate</b> , °F	40 to 110
<b>Ambient</b> , °F	40 to 110
<b>Gel Time</b> , sec	8
<b>Tack Free Time</b> , sec	20
<b>Recoat Window</b> , hrs	2

\*Values obtained in laboratory setting for comparison purposes only and should not be considered specifications.

#### Safety

This product is for industrial use only. Avoid contact with eyes and skin. Do not inhale or ingest. When spraying, wear a respirator or a fresh air hood. Spraying indoors requires forced ventilation. Be sure to read MSDS in its entirety prior to using Hard Coat Hybrid.

#### Packaging, Storage, & Shelf Life

Hard Coat Hybrid is available in 55 gallon drums and 275 totes. It should be stored in sealed containers between 60°F and 90°F. Shelf life is 12 months under normal conditions.

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