

**DESCRIPTION:**

**ResinForce® EasyMend™** is an odorless, rapid set, high strength, low viscosity concrete repair polymer that penetrates and “nano-locks” deeply into the concrete better than epoxy. This two-part polymer system is designed for rapidly rebuilding deeply spalled or damaged concrete surfaces, broken control joint walls and patching cracks and spalls in concrete rapidly even in cold conditions. **EasyMend™** does not become brittle as epoxies do over time and sets quickly allowing use in just minutes. The product can repair spalls in substrates below zero temperatures.

**ADVANTAGES:**

**EasyMend™** repairs are put back in service minutes after the installation is made. **EasyMend™** is intended for use in damaged concrete, from parking decks to warehouse/cold storage floor spalls. This product is especially useful in these areas where "Down- Time" is limited and a facility must operate around the clock.

**SURFACE PREPARATION:**

Concrete must have a minimum 28-day cure prior to application. **Concrete Must Be Dry.** Clean the concrete repair area surface and remove all unsound concrete, dust and debris. Prepare surface using a dry diamond blade or a twisted wire wheel for spalls. Cut perimeter of damage with dry diamond blade to form a keyway. Chase and open cracks to provide ½” – 1” depth to the crack to allow for quick traveling of the product deep into the crack. Back fill the crack under the cut with quartz sand or backer rod as needed.

**TO FILL CRACKS AND SMALL SPALLS:**

Mix **EasyMend™** at a 1:1 ratio using stir stick or small jiffy mixer for 15-25 seconds. Add quartz sand to a slushy consistency while mixing or stirring to ensure even distribution until wet, typically 10 more seconds. After mixing, use immediately. A good batch size is typically 8 oz A + 8 oz B + 14 oz quartz sand. Pour into the saw cut from the crack, slightly overfilling. Allow to cure 20-30 mins, then grind flush.

**TO FILL LARGER SPALLS:**

Mix **EasyMend™** at a 1:1 ratio using stir stick or small jiffy mixer for 15-25 seconds. Wet prime all surfaces of the spalled concrete. Immediately make a slurry batch to add on top of your wet prime before it cures. Add quartz sand to **EasyMend™** mix using enough sand to make a thicker paste or mortar consistency until all quartz is wet, then add the mortar mix into the wet-primed area while the wet prime is still wet or tacky. If the wet primer cures before adding mortar, the entire surface must be prepped again. A good batch size is typically 8 oz A + 8 oz B + 32 oz quartz sand. Allow to cure 20-30 mins, then grind flush.

**GENERAL PHYSICAL CHARACTERISTICS**

<b>SOLIDS:</b>	70%	<b>TENSILE ASTM D412:</b>	4500 FILLED
<b>GEL TIME:</b>	3-6 MIN. @ 75°F	<b>TEAR STRENGTH ASTM 624-C:</b>	200 PSI
<b>SHELF LIFE:</b>	1 YEAR	<b>ELONGATION ASTM D124:</b>	8%
<b>HARDNESS ASTM D2240:</b>	SHORE D 70	<b>PROCESSING TEMPERATURE:</b>	70°F
<b>MIX RATIO</b>	1:1	<b>VISCOSITY @ 73-77°F MIXED:</b>	18-20 CPS
<b>TACK FREE ASTM D2471:</b>	6-10 MINUTES	<b>VOC CONTENT g/1:</b>	A: 2.5, B: 4.5

**TECHNICAL PROPERTIES:**
**EasyMend™ Properties: Based on 70-80°F @ 50% RH\***

Pot Life.....	1 Min	Gel Time.....	4-6 Mins
Tack Free.....	6-10 Mins	Re-Coat Time.....	Must Grind
Light Traffic.....	10-15 Mins	Heavy Traffic.....	30-45 Mins

*\*Note: Higher temperatures and humidity will shorten pot life and cure times.  
Colder temperatures and/or lower humidity will extend pot life and cure times.*

**USES:**

All Concrete Spall/Damage Rapid Restore & Repair  
Rebuilding Control Joint Walls, Floor Repair  
Knitting Cracked Concrete with Rebar • Shallow Spalls on Warehouse Floors & Bridge Decks  
Grade Matching • Cold Storage Thresholds • Decks • Loading Docks

**ADVANTAGES:**

Satisfies OSHA Floor Facility Safety and Surface Conditions  
Rapid Floor Repairs • Saves Bearings and Wheels • Meets USDA Requirements Fuel Resistant  
Reduces Facility "Down-Time" & Maintenance Man Hours  
Back-In-Service Time 10-15 Minutes • Non-Locks into Concrete, Very Low Viscosity  
High Strength & Fast Set

**LIMITATIONS:**

Do not use on wet surfaces or expose part A to moisture. This product is moisture sensitive and should not be applied to wet surfaces. This product is not intended as a joint filler. If used as a joint filler, thermal cycles may cause a crack along the sides of the joint. Reflective cracking may occur if such a fill is coated over showing a crack through a top coat. Product may bond damaged slabs together and may stop movement. Not intended for use where substrate movement is required.

Store out of direct sunlight in a cool location, protect from heat and high environmental temperatures. The product will be considerably faster in warm or hot conditions and slower in cold conditions. Do not use product that is hot. This product is for use by professional applicators only. Wear Protective Clothing and gloves as the product bonds very well to fabrics. Read SDS before using this product. DOT/Flash Point - Non-flammable Liquid Classification, not regulated.

**WARRANTY**

All statements, recommendations and technical information contained in this document are accurate to the best knowledge of **ResinForce® Products, LLC**. The data relates only to the specific material designated herein. It may not be valid if used in combination with any other materials. It is the users' responsibility to verify the suitability of this information for their own particular use, and to test this product before use. **ResinForce® Products, LLC** assumes no legal responsibility for use upon this data. **ResinForce® Products, LLC** assumes no legal responsibility for any direct, indirect, consequential, economic, or any other damage except to replace the product or refund the purchase price as set out in the purchase agreement.

**PART A INGREDIENT DISCLOSURE:**

CAS: 101-68-8 4,4'-methylenediphenyl diisocyanate  
CAS: 5873-54-1 o-(p-isocyanatobenzyl)phenyl isocyanate

**PART B INGREDIENT DISCLOSURE:**

CAS: 102-60-3 1,1',1'',1'''-ethylenedinitrilotetrapropan-2-ol  
CAS: 107-21-1 Ethylene glycol

**FOR MORE INGREDIENT INFORMATION VISIT [WWW.RESINFORCE.COM](http://WWW.RESINFORCE.COM)**

**FOR PROFESSIONAL USE ONLY!**

This data sheet provides typical properties for **ResinForce® Products, LLC**. Before using this product, the user is advised and cautioned to make their own determination and assessment of the safety and suitability of the product for the specific use in question and is further advised against relying on the information contained herein as it may relate to any specific use or application. Please consult our SDS for further safety information.