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PATCHING, JOINT, COVE

SP-11

TECHNICAL DATA SHEET

COMPONENTS	SOLIDS	MIX RATIO
2	100%	1:1

DESCRIPTION

SP-11 is a rapid-curing, pre-thickened high-viscosity, nonylphenol-free epoxy resin, paired with a thickened cycloaliphatic amine reactant. When properly mixed at a 1:1 ratio by volume, this combination creates a non-shrinking, high-viscosity patch with high compressive and tensile strength that can be scraped in as little as 30 minutes and sanded or ground in as little as 2 hours after placement.

RECOMMENDED USES

SP-11 is most often used to patch concrete holes, cracks, divots and non-moving joints. It can also be used when a feathered edge is required for smooth transitions between differing planes. SP-11 kit will cover approximately 6.4 sq. ft. at 1/4" or 300 LF of 1/4" X 1/4" joint.

LIMITATIONS

SP-11 is designed to be applied at temperatures between 60-90°F. Cooler temperatures will increase cure times. Warmer temperatures will decrease working and cure times. Verify that substrate temperature is above 5 degrees of dewpoint during application and cure of material to avoid a potential amine blush.

SURFACE PREPARATION

The preparation method for each project is determined by a full understanding of the substrate to be coated, the chemistry of the coating system being used, the coating system thickness, and numerous other factors. The coating installer should fully read and understand ICRI Guideline NO. 310.2R-2013 and OSHA 29 CFR 1926.1153 before starting preparatory work. The aim, of preparing a substrate for coating applications, is to roughen the surface, remove weak layers, contaminants, dirt, debris and present a solid, clean, dry substrate for the primer. If unsure as to the level of preparation needed contact Polymer Nation at Lab@polymerNation.com.

MIXING

Mix equal volumes of SP-11 Part A, and SP-11 Part B in a drywall mud container or mortar board. Using a spatula or spoon, place equal portions of Part A and Part B together, and then mix with a broad knife or margin trowel or similar mixing tool. Making sure to scrape the walls and folding the material thoroughly until consistent in color and viscosity until desired paste consistency is achieved.

APPLICATION

Place mixed material on a mortar board and apply mixed material within 8 minutes using patching techniques. Patches and cracks can be scraped in as little as 30 minutes and sanded or ground in as little as 2 hours. If, after 5 hours, abrade the material with a minimum of 100-grit sanding screens. Clean tools with a solvent similar to Xylene or Acetone.

COMPONENTS



Part A



Part B

GENERAL PRODUCT INFORMATION

Chemistry	Patching, Joint, Cove
Color / Finish	Clear
Number of Components	2
Solids by Volume	100%
Mix Ratio	1:1
Gel / Working Time	5-8 minutes
Application Temperature	60-90°F

A mixture consists of .5 gal SP-11 Part A, .5 gal SP-11 Part B.

The data below was gathered at temperatures of 72-75°F and 30-50% RH

It is always recommended to mix the entire kit, whenever possible, to avoid off-ratio mixtures.

CURE SCHEDULE

Dry to Touch	1-1.5 hours
Through Dry	2-3 hours
Dry to Light Use	4-5 hours
Full Cure	7 days

COVERAGE & PACKAGING

Coverage Rate	SP-11 kit will cover approximately 6.4 sq. ft. at 1/4" or 300 LF of 1/4" X 1/4" joint.
Recoat Window	Within 5 hours
Packaging	1 Gallon kits
Number of Mixes per Kit	1

STORAGE, HANDLING & SAFETY

Store at 60-80 degrees F. Store material between 60-80 degrees F in a protected dry location. Refer to the current Safety Data Sheet (SDS) for this product before handling, mixing, or applying. Use appropriate personal protective equipment and ensure adequate ventilation during application and cure. Dispose of material, containers, solvents, etc., per Federal, State and local guidelines, rules and laws.

TEST DATA

Test data has been gathered from testing conducted by independent, internal and third party testing. The best way to compare coating performance is by head-to-head independent testing as this removes the numerous variables found between testing standards, equipment and testing agencies.

TYPICAL VALUES

The information here is general information to help our customers determine whether our products suit their specific applications. Our products are intended for sale to commercial and industrial customers. We require that customers inspect and test our products before use to satisfy themselves as to the content and suitability for the applications they intend to use our products. Nothing herein shall constitute any warranty expressed or implied, including any warranty of merchantability or fitness for a particular purpose, nor is any protection from any law or patent to be inferred. The exclusive remedy for all proven claims is the replacement of our materials, and we shall not be liable for incidental or consequential damages. Polymer Nation Chemical Company LLC, 405 Oakwood Ave. Waukegan, IL 60085. All rights reserved.