



SP-EH0050

Technical Data Sheet

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Fast Curing Multi-Purpose Epoxy Hardener

SP-EH0050 is a fast-curing, clear, low-color curing agent for two-component epoxy systems. It is especially useful for concrete floor coatings or for concrete crack repairs. SP-EH0050 is also particularly useful as a patch repair for pipes and tanks. Coatings utilizing SP-EH0050 have good chemical resistance and an attractive finish appearance.

Specific Physical Form:	Liquid
Color (Gardner Scale):	< 2
Shelf Life:	1 Year

Typical Properties:

Viscosity at 77°F (25°C):	170 - 270 Centipoise
Amine Hydrogen Equivalent Weight (calculated):	75 - 78 g/eq.
Amine Number:	350 - 370 mg KOH/g
Usage with Bisphenol A Liquid Epoxy (EEW of 189g/eq.)	40 parts SP-EH0050 to 100 parts resin
Pot Life:	< 10 minutes
Thin Film Tack Free Time	3 hours
Tensile Strength ¹ :	10,000 psi
Tensile Strain to Failure ¹ :	4.50%

1) Formulation: 40 parts SP-EH0050 and 100 parts Kukdo YD-128

The information provided above is believed to be accurate and represents the best information available at the time. Persons using the information must make their own determinations and assessments as to the suitability of the relevant information for their purposes. Springfield Industries assumes no liability arising out of the use of or reliance on this information, or out of the use or the performance of the product.

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Directions for Use:

Mix 40 parts SP-EH0050 with 100 parts Bisphenol A liquid epoxy resin (EEW of 189 g/eq.). Use immediately as pot life is less than 10 minutes. For concrete floor coatings, the mixture must be poured out immediately and spread within 30-45 minutes due to the fast reactivity of the coating. For small quantity adhesive applications, such as concrete crack repair and small patch repairs, mix small quantities (approximately 50 grams) to achieve a longer pot life (30-45 minutes). For repair patches, use a cloth or a mesh (cotton, polyester, glass) material. Coat both sides of the cloth/mesh material making sure to fully saturate the material. Apply the patch to the surface to be repaired and allow at least 3 hours drying time before putting back into service. Store unused SP-EH0050 away from light or heat and in a sealed container to reduce yellowing over time. Do not store in metal lined container.

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