



Technical Data Solvent-Free Epoxy Kev Coat

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Product Description:

AMCON epoxy KEV Coat, is a 100% solids, next generation, epoxy coating featuring 40% tensile elongation, excellent chemical and abrasion resistance, one coat, no sag, high build glaze finish that will withstand severe abuse. Bonds to concrete (wet and dry), fiberglass steel and wood surface.

Uses

Most corrosive environments
Marine, chemical, pulp and paper
Spillways, piping, piling, columns
Excellent as a finish topcoat

Features

Solvent-Free with long pot life
Non-Sag at thickness up to 30 – 35 mils
High Gloss
Convenient 2 to 1 ratio by volume (1:0.37 by weight)
Non-blushing and non-water spotting
Non-corrosive and Non-hazmat
Kevlar micro fibers reinforce against hairline cracking and chipping
Feldspar (ceramic plates/needles provides extreme abrasive resistance
Apply by brush or spreader

Viscosity

Viscosity at 72°F
Part A: 25,000 cps: Part B: 450 cps: Mixed: 1,200 cps

Physical Properties

Compressive Strength 10,000 psi
Tensile Strength 4800 psi
CS-17 Wheel, L Kg Load 0.10 gm Loss
Water Absorption (2 Hour Boil) 0.10 %
Flexural Strength 6,600 psi.
Shore D Hardness 91
Heat Distortion Temperature 124°F
Bond Strength to Concrete 100 % concrete failure
Film Thickness 10-35 mils (average: 100 sq. ft. gallon @16 mils)

Cure Schedule

POTLIFE 50 gram @70°F approx. 90+ minutes
FIRM 50 gram @70°F 8 - 10 hours

Chemical Resistance

REAGENT ACIDS	RATING	REAGENT ALKALIES	RATING
Aceatic 1-5%	2	Ammonium Hydroxide 1-26%	2
Chromic 1-5%	2	Calcium Chloride All	2
Citric All	2	Calcium Hypochlorite 1-15%	2
Hydrochloric All	2	Caustic Soda	2
Lactic 1-10%	2	Caustic Potash	2
Nitric 1-5%	2	Sodium Hydroxide All	2
Oxalic 1-20%	2	Sodium Sulfide 1-30%	2
Phosphoric All	2		
Sulfuric 1-75%	2		

2 = intermittent immersion. 8 hours with 8 hours dry time.

Surface Preparation

Surface must be clean and free of oils and loose contamination. If possible surface is to be sandblasted or thoroughly grinded

Application

Mix epoxy Coating, base with the curing agent. Use a mechanical mixer if possible to ensure thorough mixing. The mixing ratio is 2/1 (base/curing agent) by volume or 1/0.37 by weight. AMCON epoxy Coating does not require a 'sweat-in' or induction time and the mixed components should be used immediately. Pot life is approximately 55-75 minutes at 75°F, so mix only the amount of epoxy that can be easily applied within that time limit. Apply using a brush or spatula. This product can be thinned for improved roll ability or thickened to paste like viscosity.

Temperature

AMCON Coating may be applied in temperature as low as 45°F (7°C) –curing will be slow, however the viscosity of the material will be workable. Temperature will exert a considerable influence on the rate of curing. In board terms expect each 10°C, (18°F), rise or fall in temperature to half or double dry times and pot lives.

Transport

Non regulated by USDOT, IATA & IMO

SAFETY: This is a hazardous material if misused. Read and understand the Material Safety Data Sheet (MSDS) before use WARRANTY DISCLAIMER: The technical data given herein has been compiled for your help and guidance and is based upon our experience and knowledge. However, as we have no control over the use to which this information is put, no warranty, express or implied is intended or given except that these goods shall be of merchantable quality and buyer assumes all risk and liability for results obtained by the use of the materials covered in this data sheet, whether used singly or in combination with other products. We assume no responsibility whatsoever for coverage, performance or damages, including injuries resulting from use of this information or of products recommended herein. The sale and use of this product is governed by Fitcon (S) Pte Ltd. 's Warranty Disclaimer and Return Policy.

Manufactured in: USA

Supplied by

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