

Epoxy Flooring Adhesive – K-550

Description:

Copps' Rubber Flooring Adhesive K-550 is a two-part, room temperature cure epoxy system. This product is specially formulated to bond rubber flooring to concrete, wood, metal, and other substrates. Due to its versatility, it can be successfully used with a large variety of flooring materials (vinyl, nylon, polyester, wood, etc.). The 550's semi-flexible matrix provides a high level of impact strength which is required for areas like sport facilities, gyms, recreation rooms, etc. Adhesion to wood, concrete, and metal is excellent.

User-friendly mix ratio (1/1 by volume) allows for use of partial kits eliminating excess material waste.

Product Advantages:

- 100 % Solids
- VOC Free
- Non-Corrosive
- High Peel Strength
- Friendly 1/1 Mix Ratio
- Comfortable Working Time
- Non-Flammable

Handling Properties:

COMPONENTS	Resin, Hardener	
MIXED VISCOSITY, cP	33,000	ASTM D 2196
MIXED COLOR	Gray	
WORKING TIME, h	2	
INITIAL CURE, h	24	
LIGHT foot traffic, h	48	
APPLICATION TEMPERATURE, °F	55-95	

Physical Properties:

SHORE HARDNESS, D SCALE	75	ASTM D 2240
PEEL STRENGTH, pli		ASTM D 3167-07
-RUBBER TILES	23.6	
-VINYL STAIR COVERS	49.1	
ADHESION TO CONCRETE, psi	700	ASTM D 4541
	(100% FAILURE IN CONCRETE)	

Surface Preparation:

The substrate should be free of dust, and all loose and foreign material. K-550 will not develop maximum adhesion to a surface contaminated with oil, grease, wax and other hydrophobic agents. NEW CONCRETE MUST CURE A MINIMUM OF 28 DAYS PRIOR TO THE APPLICATION OF ANY EPOXY, CONCRETE MUST BE TESTED FOR MOISTURE AND VAPOR TRANSMISSION BEFORE APPLYING.

Mixing:

To mix K-550 pour the contents of the container marked Hardener into the larger Resin container. Immediately mix until a uniform color is achieved using a Jiffy Mixer and a slow speed drill. Mix at slow speed (less than 500 rpm) to avoid air entrainment. DO NOT mix more material than can be used within the stated working time. REMEMBER- you will have less working time at higher temperatures. K-550, before it has hardened, can be removed from tools with Copps Enviro Kleen solvent or warm soapy water.

Ideal product storage is at 65-80 °F in closed containers. Shelf life is one year from date of manufacture for an unopened kit.

Application:

Spread the adhesive with a grooved roller, square or notched trowel to flooring manufacturer specifications. With 1/16" square-notched trowel one gallon of K-550 will cover 130-170 square feet.

Packaging:

Rubber Flooring Adhesive is conveniently packaged in 1, 2, and 4-gallon kits containing a resin (Part A) and a hardener (Part B). Larger bulk quantities are also available.

K-550-11.5: 1 gal. = 218 in.³

K-550-23: 2 gal. = 435 in.³

K-550-46: 4 gal. = 871 in.³

SAFETY PRECAUTIONS

Avoid breathing of vapors. Forced local exhaust is recommended to effectively minimize exposure. NIOSH approved, organic vapor respirators and forced exhaust are recommended in confined areas, or when conditions (such as heated polymer, sanding) may cause high vapor concentrations. Do not weld on, burn or torch any epoxy material. Hazardous vapor is released when an epoxy is burned. Avoid skin or eye contact. Wash skin with soap and water if contact occurs. If eye contact occurs, flush with water for 15 minutes and obtain medical attention. Read and understand all cautions on can labels and safety data sheets before using this material.

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