

Epoxy Gel Flooring Adhesive – K-551

Description:

Copps' Rubber Flooring Adhesive K-551 is a two-part, thixotropic room temperature cure epoxy system. This product is specially formulated to bond rubber flooring to concrete, wood, metal, and other types of substrates. Due to its versatility, it can be successfully used with a large variety of flooring materials (vinyl, nylon, polyester, wood, etc.). The 551'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:

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

Handling Properties:

COMPONENTS	Resin, Hardener	
MIXED VISCOSITY, cP	60,000	ASTM D 2196
MIXING COLOR	Gray	
WORKING TIME, h	2	
INITIAL CURE, h	24	
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	25.6	
VINYL STAIR COVERS	47.7	
ADHESION TO CONCRETE, psi	700 (100% FAILURE IN CONCRETE)	ASTM D 4541

Surface Preparation:

The substrate should be free of dust, and all loose and foreign material. K-551 will not develop a 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:

This adhesive consists of two components labeled Part A (resin) and Part B (hardener). Add all of Part B to Part A and mix until uniform in color, preferably using a low speed mechanical mixer (< 500 rpm). K-551, before it has hardened, can be removed from tools with Copps Enviro Kleen solvent or warm soapy water.

This product must be stored 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 1/16" square-notched trowel.

With 1/16" square-notched trowel one gallon of K-551 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-551-11.5: 1 gal. = 218 in.³

K-551-23: 2 gal. = 435 in.³

K-551-46 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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