

DESCRIPTION

AkaSeal 716 is a solvent containing two component epoxy sealer, with a VOC of <106 g/l when tested according to EPA method 24.

TYPICAL APPLICATION

- Primary use to protect concrete structures that are exposed
- Flooring applications – Fills voids, pits and micro cracks
- Strengthens concrete floor in construction with polished concrete systems

BENEFITS

- Sprayable
- Cures in temperatures as low as 45°F (7°C)
- Strengthens weak or porous concrete by way of penetration
- Economical

PHYSICAL PROPERTIES

Composition		Liquid	MIXED
Mix ratio by weight		100:94	
Mix ratio by volume at 25°C		1:1	
Mixed Viscosity (centipoise) (1 @ 50)	ASTM D2393		20-30
Color			Lt. Amber
Pot life at 77°F (25°C on 100 g) (min)	ASTM D2471		20-30
Tack Free			2 – 3 hours
Final Cure (days)*			3 - 7 days
Service Temperature			Above 40°F/4°C

*Dependent on ambient temperature, concrete porosity and moisture content. (i.e. cold, dense, damp concrete will take longer than warm, porous, dry concrete to be ready for traffic.)

Specifications

Meets Indiana D.O.T. standard specification, section 909.09(B)

STORAGE CONDITIONS

Shelf life is 12 months in original unopened container. Store dry at 50° - 95°F (10° - 35°C), condition materials to 50° - 75°F (10° - 24°C) before using.

HANDLING PRECAUTIONS

Normal health and safety precautions should be observed when handling these products :

Ensure good ventilation

Wear gloves, safety glasses and waterproof clothes.

For further information, please consult the product safety data sheet.

APPLICATION INSTRUCTIONS:

Surface Prep: Surface must be clean and sound. Remove all dirt, laitance, grease, curing agent and other foreign matter. Remove water and dust from all surfaces with an oil-free blast of compressed air immediately prior to application of compound.

Flooring Applications: Fill voids and pits and micro cracks, strengthens concrete floor in construction with polished concrete systems. Apply after 80 grit metal bond (regular-hard concrete) apply 1 coat in typical application. Or apply after 80-150 grit metal bond (soft concrete or exposed aggregate) 2 coats may be necessary, 2nd coat application 4 hours after 1st coat. Depending on concrete density 1 or 2 coats may be recommended (if concrete is more porous apply 2 coats of AkaSeal 716. Typically on finished colors will appear bolder to achieve differing surface effects apply 1 coat for a matte surface or 2 coats for a semi-gloss or glossy appearance. Surface finish will vary with concrete density.

Countertop Applications: Fills voids, pits in concrete, provides surface protection. For porous or soft concrete and exposed aggregate apply after 50 grit resin bond, 2 coats maybe necessary. For regular or hard concrete, apply after 100 grit resin bond with 1 coat for typical application.

NOTE: Ideal for polished concrete systems. Can be used as finish coat or primer for waterbased urethane topcoat.

APPLICATION PROCEDURE

Mixing Instructions: Temperature of product must be 50° - 75°F (10° - 24°C) prior to mixing to insure proper blending. Mix 1 part by volume of part A with one part by volume of part B for three minutes with a low speed drill mix blade or paddle until all streaks and striations are gone. Take extra care to scrap the sides and bottom frequently to insure complete mixing. Apply to surface with squeegee or roller. Approximate rate of application for a bridge deck or floor is 100 square feet per gallon.

CAUTION: Unmixed compound from sides or bottom can cause soft spots or uncured areas in the completed casting. To prevent this it is advisable to transfer entire mixture to second clean container and remix for short time before using.

CLEANING: All tools and equipment should be cleaned before resin system gels. Use methyl ethyl ketone or any lacquer solvent.

CAUTIONS

Carefully follow all cautionary measures located on the Safety Data sheet, Avoid contact with skin or eyes, wear protective clothing and eye protection when mixing and in use. If skin contact occurs wash with mild soap. This product is a resin and may cause skin irritation, wash thoroughly after handling. Harmful if swallowed, causes respiratory irritation keep container closed, use with adequate ventilation. **FLAMMABLE** READ MSDS Safety precautions before use.

GUARANTEE

The information of our technical data sheets are based on our present knowledge and the result of tests conducted under precise conditions. It is the responsibility of the user to determine the suitability of AXSON products, under their own conditions before commencing with the proposed application. AXSON refuse any guarantee about the compatibility of a product with any particular application. AXSON disclaim all responsibility for damage from any incident which results from the use of these products. The guarantee conditions are regulated by our general sale conditions.