

Zepoxy WB-440 is a water-based epoxy coating system designed for a wide range of applications, providing excellent adhesion to substrates such as metal, wood, concrete, ceramic, FRP, glass, and other common construction and industrial surfaces. It is formulated with a phenalkamine hardener to provide good bonding strength, mechanical properties, durability, and resistance to environmental conditions.

TECHNICAL DATA

Property	Test Method	Result
Appearance Part A	Visual	High viscosity, opaque liquid
Appearance Part B	Visual	Clear, brown to red liquid
Mix ratio (Part A: Part B)	Theoretical	100: 60
*Mix viscosity @ 25°C	ASTM D 2196	30,000 – 45,000 cPs
*Flash Point	ASTM D 93	>100°C
*Pot life (300g mix) @ 25°C	-	35 – 45 min
*Hardening time	-	1 day
*Full Cure	-	7 days

*Typical results under laboratory conditions.

NOTE

At 40°C gel time will be reduced to half, in case of increased temperatures, pouring should be planned accordingly.

GENERAL INFORMATION

Substrate preparation: The substrate of the substrate must be clean and dry. Remove all dirt, grease and foreign material by cleaning with suitable solvent, sand blasting, mechanical abrasion, or acid etching.

Mixing: To obtain good results, thorough mixing of the ingredients is essential. Usually the resin and hardener are mixed in small quantities to extend the working time and prevent high exothermic reaction and pre-gelling.

Application: To ensure good adhesion between the substrates, it is recommended to apply rich layer of homogenous blend uniformly on the surface and fill the dents and pinholes. Adequate curing normally takes place within 24 hours, post curing at temperatures more than 40°C is recommended.

Cleaning and maintenance of equipment: Tools and equipment used during the process are best cleaned immediately after use since removal of cured resin is difficult and time consuming. It is recommended that the bulk of the resin be removed using a scrapper and the remainder washed away using solvents such as toluene, xylene or acetone.



Water based epoxy coating system



PACKAGING

Zepoxy WB-440 is available as follows:

Mini set	160g	Part A: 100g Part B: 60g
Half Set	800g	Part A: 500g Part B: 300g
Full Set	1.6 KG	Part A: 1 KG Part B: 600g

HEALTH AND SAFETY

Dispose containers of the materials as per local laws, rules, and regulations. Use gloves, safety masks and other safety apparel as per health and safety laws. For further assistance, please refer to the MSDS of the product for further health and safety information.