



PRODUCT TECHNICAL DATA SHEET

EPOXY ACCELERATOR

Advanced Coating Systems

ACCELERATOR FOR EPOXY

GENERAL PRODUCT DESCRIPTION

Epoxy Accelerator is a single-component, liquid additive for ONYX epoxy coating systems. Though mixing in Epoxy Accelerator will reduce working time, the advantages include:

- Increase the Cure Rate.
- Reduce the Dry Time and Pot Life.
- Improve the Low Temperature Cure Response Down to 35°F.

PRODUCT DATA

Color:	Clear/Amber
Volume Solids:	100%
VOC:	0 g/l
Application Temperature:	35-90°F
Thinning:	Not Required
Shelf Life:	12 months

Cure time, pot life, and working time are based on a slab temperature of 70-75°F, and will change accordingly as temperature changes.

PACKAGING

Epoxy Accelerator is available in the following sizes:

1 Pint (16 oz.)	1 Quart (32 oz.)
1 Gallon	5 Gallons

MIXING

A standard usage for Epoxy Accelerator is to add 16 oz per 3 gallons of mixed epoxy, which typically reduces the cure time in half. Always test before actual use to determine acceptable working and cure times. For best mixing, all components should be above 50°F. Mix the epoxy resin (A) and hardener (B) per the product instructions. Add the desired Epoxy Accelerator while mixing until uniform, generally about 60 seconds. After initially mixing the product, immediately apply as working time will be reduced.

SURFACE PREPARATION

For proper surface prep, refer to the technical data sheet of the epoxy product that the Epoxy Accelerator is being added to.

Mechanical methods are required for preparing concrete prior to coating application. Shot-blasting, diamond grinding, scarifying, and scabbling are all acceptable methods. The concrete profile should approximately be CSP 2 after preparation.

Information expressed in this data sheet is correct to the best of our knowledge. The technical data sheet does not constitute a warranty, expressed or implied as to the performance of this product. The use and application of this product is beyond our control. Warranty and liability therefore is limited to the replacement only for defective materials. Technical information is subjected to change without cause nor notice. Consult the ONYX website to confirm this is the most current issue date of the data sheet as information is subject to change.

PRODUCT LIMITATION

Always read ONYX PRODUCT LIMITATION GUIDELINES document prior to installation as the content below is only partial information.

Note: ONYX epoxy products are formulated for optimum performance. When adding any accelerator, the physical and chemical properties of the original system will be altered to some degree.

The re-coat interval will be reduced and the original yellowing resistance will be reduced in proportion to the amount of accelerator used. Therefore, it is not recommended to use on a top coat. (If turnaround time is a concern for the top coat, use the Epoxy Top Coat Fast.) Keep this in mind and use as little Epoxy Accelerator as needed to get the job done.

If using Epoxy Accelerator for patching, do a test area first, as the Epoxy Accelerator may cause sagging.

Ground level concrete slabs emit moisture vapor. The allowable vapor emissions for concrete is 3 lbs. per 1,000 Sq Ft over a 24 hour period. If vapor is above this level, then blistering and delamination of the coating may occur. A calcium chloride test, in accordance with ASTM F1869 Standards, should be performed to determine the concrete vapor level. If the vapor levels exceed the 3 lb. limit, a concrete vapor control system should be used before applying any coating system. Please contact the ONYX technical department for approved systems.

Coating systems are susceptible to cracking if the concrete moves or separates below the coating. Hence, joint and crack treatment should be reviewed prior to the coating application. As a general rule, control joints (saw cuts) and random cracks should be saw cut or chased first, then filled with the appropriate patch material. Construction joints (2 slabs which meet and hence move) should be treated. After the coating has been applied and cured, saw cut through the coating over construction joints.

CLEANUP

Epoxy Accelerator, while in an unreacted state, may be cleaned up with soap and water.

WARRANTY

ONYX products are warranted for 1 year after date of manufacturer. Please refer to the ONYX Concrete Coating's Limited Material Warranty for additional clarification. Refer to the ONYX General Product Limitation Guidelines.

SAFETY

Consult the Epoxy Accelerator safety data sheet. Avoid epoxy contact with eyes and skin. Some individuals may be allergic to epoxy. Always wear protective eyewear, clothing, and gloves. Safety always comes first.

MAINTENANCE

Refer to the ONYX Maintenance and Cleaning Guidelines.