

SAUEREISEN

CONOSPREAD - EPOXY NOVOLAK NO. 260 SERIES

PHYSICAL PROPERTIES	ConoWeld No. 501	ConoSpread No. 260	Broadcast No. 261	Vertical No. 262
Application time				
Working time at 70°F	20 minutes	20 minutes	30 minutes	30 minutes
Initial set at 70°F	6 hours	18 hours	18 hours	18 hours
Components	2 part	3 part	3 part	3 part
Thickness	5-10 mils (0.024mm)	1/8" (3mm)	15 mils (0.036mm)	1/8" (3mm)
Bond strength to concrete (ASTM D-4541)		Concrete failure		Concrete failure
Coefficient of thermal expansion		2.1×10^{-5} in/in/F ⁰		1.6×10^{-5} in/in/F ⁰
Compressive strength		15,500 psi		11,000 psi
Density (ASTM C-905)		121.2 pcf		122.5 pcf
Flexural strength (ASTM C-580)		8,000 psi		6,000 psi
Maximum service temperature (Dry)		180°F (82°C)	180°F (82°C)	180°F (82°C)
Modulus of elasticity (ASTM C-580)		1.5×10^6 psi		1.1×10^5 psi
Moisture absorption (ASTM C-413)		<0.25%		<0.25%
Shrinkage (ASTM C-531)		0.1%		<0.1%
Tensile strength (ASTM C-307)		4,000 psi		3,000 psi

Physical properties were determined on specimens prepared under laboratory conditions using applicable ASTM procedures. Actual field conditions may vary and yield different results; therefore, data are subject to reasonable deviation.

Sauereisen ConoSpread - Epoxy Novolak No. 260 Series is a group of epoxy coatings that provides a corrosion resistant flooring system. The No. 260 is a pour and spread material for quick and easy application. By virtue of its novolak epoxy formulation, No. 260 is suitable for severe chemical environments. Where greater skid resistance is required, use the No. 261 Broadcast system in conjunction with the No. 260. The trowelable formulation is the Vertical No. 262 which is suitable for cove bases.

These products offer excellent application properties and are ideal chemical resistant lining/flooring materials. The ConoSpread system is recommended for food & beverage, chemical processing, pulp & paper, pharmaceutical, wastewater treatment, textile, steel, mining, power, and metal finishing industries.

CHARACTERISTICS

- Excellent resistance to splash and spillage of concentrated mineral acids, alkalis and some solvents.
- Conforms to U.S.D.A. standards.
- 100% solids material, no noxious or toxic odors during application.
- Available in red or gray color.

AREA PREPARATION

Temperature of Working Area

Maintain a temperature of 50°-85°F on air, concrete substrate, Liquid, Hardener, and Powder components during mixing, application, and cure.

The monolithic components and substrate should be maintained at 65°F to 85°F for 48 hours prior to beginning work.

At temperatures below 65°F, the application becomes more difficult and curing is retarded. Above 85°F, the material working time decreases. It is recommended that the material components be stored in a cooler area prior to mixing.

Application in direct sunlight and rising surface temperatures may result in blistering of materials due to expansion of entrapped air or moisture in the substrate. Concrete that has been in direct sunlight must be shaded 24 hours prior to application and remain shaded until after the initial set. When the surface temperatures are rising, it may be necessary to postpone the application or apply during cooler hours.

Surface Preparation

New Concrete - Surface must be clean dry, firm, free of laitance, and have attained 3,000 psi compressive strength or be structurally sound as specified by the architect/engineer. Concrete should be floated free of ridges or depressions and all voids filled with Sauereisen Underlayment No. F-120 or Filler Compound No. 209, depending on the severity of the voids. Concrete should be sloped 1/8" to 1/4" per foot for proper drainage.

Surfaces should be made free of oil, grease, and other contaminants that may inhibit bond. This can be achieved by chemical cleaning. Abrasive blast, high-pressure water blast, or acid etch concrete to remove laitance and obtain uniform surface texture resembling coarse sandpaper.

If acid etching is utilized as the method of surface preparation, the acid should remain in contact with the concrete until bubbling stops. The concrete should then be flushed with clean water and scrubbed with a stiff bristle broom to remove acid salts and loose deposits. All acid and residue must be removed prior to placing the No. 260 systems.

Old Concrete - Concrete must be dry, firm and structurally sound as specified by the architect/engineer. Surfaces should be made free of oil, grease, and other contaminants that may inhibit bond. This can be achieved by chemical cleaning. All structural cracks must be repaired and slopes reestablished with Sauereisen Underlayment No. F-120. Abrasive blast, high-pressure water blast, or acid etch concrete to remove laitance and obtain uniform surface texture resembling coarse sandpaper.

If abrasive or high-pressure water blasting is used as the method of surface preparation, all sand and/or debris must be removed by thoroughly vacuuming the area with an industrial vacuum cleaner. If surface does not have desired texture, repeat surface preparation procedure.

EXPANSION/CONTROL JOINTS

Joints are to be provided on 14' centerlines and over existing expansion/control joints. Joints should also be placed around all fixed objects, peripheries of rooms and all points of movement in the base slab. Consult Sauereisen for recommendations.

APPLICATION

Mixing

Empty contents of the Liquid into a clean, dry mixing container. Empty contents of Hardener into Liquid and mix thoroughly until blended for at least one minute with a slow speed paddle mixer. Gradually add Powder component to blended Hardener/Liquid while mixing to a uniform consistency.

Mix only complete units. Material which has begun to set must be discarded. Do not try to retemper the material. Do not add solvent, additive or adulterant to any component or mixed material.

Installation

ConoWeld No. 501 - Pour a bead of the primer and spread with a squeegee before rolling to a minimum thickness of 5-10 mils. Use a short nap roller with a non-degradable core or nylon brush for working the primer into the substrate.

At 70°F, allow the primer to dry for 6-24 hours before topcoating with No. 250. For additional information regarding No. 501, consult the ConoWeld data sheet or call Sauereisen.

ConoSpread No. 260 - Pour the epoxy basecoat and spread with a screed rake to a minimum thickness of 1/8 inch. Next, lightly backroll with a "spiked" roller to remove any high/low spots left in the material.

Broadcast No. 261 - The broadcast system consists of an aggregate and sealer. Broadcast all of the aggregate to rejection onto the No. 260 within one hour. Excess aggregate is removed by vacuum after 17 hours and the sealer is then applied by roller.

Vertical No. 262 - The vertical formulation for cove base construction is trowel applied at a minimum thickness of 1/8 inch. No primer is required. To remove trowel marks, backroll the material with a water-dampened short nap mohair roller.

COVERAGE

ConoWeld No. 501	200 ft ² /gal. at 8 mils
ConoSpread No. 260	29 ft ² at 1/8 inch
Broadcast No. 261	40 ft ² at 15 mils
Vertical No. 262	35 ft ² at 1/8 inch

*Quantities do not include losses during application.

SETTING/CURING

ConoSpread - Epoxy NovolaK No. 260 Series takes an initial set in 18 hours at 70°F. Do not allow water or chemicals on the material surface for a minimum of 48 hours. For temperatures below 70°F, cure a minimum of 72 hours prior to water or chemical exposure.

PACKAGING

ConoWeld No. 501	1 & 3 gal. units
ConoSpread No. 260	37 lb. unit/pail
Broadcast No. 261	57.1 lb. unit
Vertical No. 262	44.7 lb. unit/pail

CLEAN-UP

All equipment should be cleaned with MEK before material cures. If removal is required after cure, consult Sauereisen.

SHELF LIFE

Sauereisen No. 260 Series Liquids, Hardeners, and Powders have a shelf life of one (1) year when stored in unopened, tightly sealed containers in a dry location at 70°F. If there is a doubt as to the quality of the materials, consult Sauereisen.

CAUTION

Consult Material Safety Data Sheets and container label Caution Statements for hazards in handling these materials.

WARRANTY

We warrant that our goods will conform to the description contained in the order, and that we have good title to all goods sold. WE GIVE NO WARRANTY, WHETHER OF MERCHANTABILITY, FITNESS FOR PURPOSE OR OTHERWISE, EXPRESS OR IMPLIED, OTHER THAN AS EXPRESSLY SET FORTH HEREIN. We are glad to offer suggestions or to refer you to customers using Sauereisen Cements and Compounds for a similar application. Users shall determine the suitability of the product for intended application before using, and users assume all risk and liability whatsoever in connection therewith regardless of any suggestions as to application or construction. In no event shall we be liable hereunder or otherwise for incidental or consequential damages. Our liability and your exclusive remedy hereunder or otherwise, in law or in equity, shall be expressly limited to our replacement of nonconforming goods at our factory or, at our sole option, to repayment of the purchase price of nonconforming goods.

□ **Distributors and agents in major cities throughout the world. Consult manufacturer for locations.**

□ **Sauereisen also produces inorganic compounds for assembling, sealing, electrically insulating and grouting.**

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