UNISORB® STANDARD V-100® EPOXY GROUT

UNISORB® DEEP POUR V-100® EPOXY GROUT

STANDARD V-100® EPOXY GROUT

- Permanent.
- Easy Installation.
- Fast Cure.
- Minimum Material Usage. Less expensive than cementitious grouts for many applications.
- Withstands Severe Shock Loads.
- Easy Repair of Foundations and Pulled Anchor Bolts.

Yield per 11# Kit: 173 cu. in. (.10 cu. ft.).
Yield per 22# Kit: 363 cu. in. (.21 cu. ft.).
Yield per 55# Kit: 916 cu. in. (.53 cu. ft.).

UNISORB Standard V-100 Epoxy Grout is a two-component, 100% solids, filled epoxy system that cures very rapidly at normal room temperature. It sets up a tough, durable and impervious grout which eliminates common re-grouting common to many installations. Pours as thin as 1/16” and as thick as 1” may be allowed. Pours as deep as 8” can be made with the grout while providing high fluidity without compromising strength of the installation. The Deep Pour Grout is resistant to oils, greases, acids, alkalies and solvents to a much greater degree than cementitious materials. Tensile and flexural strengths are at least eleven times that of concrete and the compressive strength is about four times that of concrete.

Shipped in pre-measured one cubic foot kits, the grout kits contain individually packaged components: 1. Base Resin; 2. Hardener; 3. Two bags of Blended Aggregate. The hardener and aggregate are mixed with the base resin at the job site. The grout is self-leveling and will flow into spaces under machinery to fill voids completely before solidifying. At 70°F, an 8” pour of epoxy grout will be ready to use in 24 hours @ 11,000 psi.

The Deep Pour V-100 Epoxy Grout is made for grouting applications where maximum cross sections are involved and where minimum machinery down time can be allowed. Pours as deep as 8” can be made with the grout while providing high fluidity without compromising strength of the installation. The Deep Pour Grout is resistant to oils, greases, acids, alkalies and solvents to a much greater degree than cementitious materials. Tensile and flexural strengths are at least eleven times that of concrete and the compressive strength is about four times that of concrete.

Flexural Strength (psi)
- U16 1,600 - 4x4 1 - - -
- U36 3,600 - 6x6 1½ - - -
- U48 4,800 - 8x8 2 - - -
- U100 10,800 - 8x8 2½ - - -

Tensile Strength (psi)
- R16 1,600 - 6x6 7½ 2¾ 25/8 2¼
- R48 4,800 - 8x8 7½ 3¾ 25/8 2¼

Compressive Strength (psi)
- R9 900 ½-13 3x3 7 2¾ 1¾ 1¾
- R28 2,800 5/8-11 4x4 7 2¾ 1¾ 1¾
- R50 5,000 1-8 6x6 7½ 3¾ 25/8 2¼
- R100 10,800 1-8 6x6 7½ 3¾ 25/8 2¼

UNISORB Deep Pour V-100 Epoxy Grout provides a cost effective solution to large volume, thick cross section pours in grouting, re-grouting and in anchoring hard-to-hold heavy machinery. The three part formula is easy to mix on the job site and the formulation simplifies most equipment installations. Up to 14,000 psi compressive strengths may be attained.

The R Series self-contained leveling mounts with 1" thick elastomeric pads for all types of machinery. Rugged cast iron and anodized steel construction with a free-floating leveling screw offer vertical adjustments of up to 2”. They will also compensate for pitched or uneven floors.

LEVEL-RITE® MACHINERY MOUNTS

The U Series self-contained mounts with elastomorphic pads are designed to accept machinery leveling screws and are supplied without leveling accessories. Their rugged, heavy duty construction is designed for precision and finishing equipment.

LR-200 AND LR-500

The LR-200 and LR-500 are designed for lighter equipment applications. The LR-200 is for loadings up to 250 lbs per mount and the LR-500 is for up to 500 pounds. Both models have steel bases, elastomeric isolation pads, and built-in leveling screws.

LEVEL-RITE® MACHINERY MOUNTS FOR HOLLOW BASE MACHINES

Designed for hollow bases as found on certain models of mills, lathes, grinders and other machines. Provides vibration control, leveling and support. Kit includes mounts with special length adjusting screws and adapter plates. Specify distance between bolt holes when ordering. Standard kits accommodate these distances:
- BP-2500 Kit 19.25” - 20.75”
- BP-5000 Kit 23.25” - 24.75”
- BP-5000S Kit 25.25” - 26.75”

Other spacings are available on request.

LEVEL-RITE® MACHINERY MOUNTS

FOR HOLLOW BASE MACHINES

The LEVEL-RITE® MACHINERY MOUNTS for Hollow Base Machines provide a proven method of grouting, re-grouting, and anchoring hard-to-hold heavy machinery. The three part formula is easy to mix on the job site and the formulation simplifies most equipment installations. Up to 14,000 psi compressive strengths may be attained.

Standard kits accommodate these distances:
- BP-2500 Kit 19.25” - 20.75”
- BP-5000 Kit 23.25” - 24.75”
- BP-5000S Kit 25.25” - 26.75”

Other spacings are available on request.

UNISORB® LEVEL-RITE® MACHINERY MOUNTS

SPECIFICATIONS

- Model MAX A B C D E F
- LR-200 250 1/4”-18 3/4 Dia. 3 1/8” 3/4” 1/16”
- LR-500 500 5/16”-16 3/4 Dia. 4 1/8” 3/4” 1/16”
- R9 900 ½-13 3x3 7 2¾ 1¾ 1¾
- R16 1,600 5/8-11 4x4 7 2¾ 1¾ 1¾
- R28 2,800 7/8-11 4x4 7 2¾ 1¾ 1¾
- R50 5,000 1-8 6x6 7½ 3¾ 25/8 2¼
- R100 10,800 1-8 6x6 7½ 3¾ 25/8 2¼
- U9 900 - 3x3 1 - - -
- U16 1,600 - 4x4 1 - - -
- U28 2,800 - 4x4 1 - - -
- U50 5,000 - 6x6 1½ - - -
- U100 10,800 - 6x6 1½ - - -
UNISORB® LEVEL-RITE MACHINERY MOUNTS

UNISORB’s line of LEVEL-RITE mounts are superbly engineered, unbreakable, and perfectly suited for general purpose machine leveling and isolation usage. Both the housing and impact plate of the UNISORB LEVEL-RITE mounts are made of ductile iron, conforming to Foundry Spec. 65-45-12. Every UNISORB LEVEL-RITE mount provides an overall height adjustment of 1 3/8 inches – well beyond all similar products around the world. Additionally, UNISORB LEVEL-RITE mounts yield optimum performance, even with floors that are uneven. The isolation pads of all UNISORB LEVEL-RITE mounts are made from proprietary elastomers. The unique internal design eliminates the interdependence between vertical and horizontal stiffness found in other mount designs. This unique design ensures that each mounting point presents consistent vertical and horizontal load deflection characteristics, regardless of adjustment height. LEVEL-RITE mounts are unmatched in controlling extreme machine induced dynamic loads, thus eliminating excessive machine motion and preventing failures typical of most other general-purpose mounts.

The LEVEL-RITE mount features a high strength, grade 5 hex, head adjusting bolt that will withstand punishment which would shear off most other bolts. The finer thread pitch provides greater accuracy in adjustment. LEVEL-RITE mounts feature adjusting bolts with metric threads. Special bolt lengths and configurations are available on request. The rectangular shape of the UNISORB LEVEL-RITE mounts provides another important advantage. While providing greater resistance to walking than circular mounts, the straight leading edge surface on the rectangular mounts has proven to be more geometrically stable.

This helps eliminate pad roll and entrapment of coolants and oils beneath the pad. The exceptionally high coefficient of friction provided by these elastomeric pads also prevents machine walking.

Mount loadings are expressed in pounds as shown in the chart below. To determine the approximate load applied by a particular machine, divide the total weight by the number of mounting points. Note that in certain cases, where weight distribution may load one or more mounts significantly more than others, special consideration is required. When machine generating high impact is being mounted, reduce the mount rating by 25% to assure maximum performance.

SPECIFICATIONS

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<th>LEVEL-RITE MOUNT</th>
<th>PRODUCT CODE</th>
<th>MAX. LOAD (LBS.)</th>
<th>A</th>
<th>L</th>
<th>W</th>
<th>H MIN./MAX</th>
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Dimensions are in inches except as shown. For mounts with higher load capacities consult Unisorb Engineering.

UNISORB® DCR V-100® GROUT ADHESIVE V-100® GROUT JOINT FILLER V-100®

UNISORB DCR V-100 (Acid Resistant) Epoxy Grout is a three component, 100% solids epoxy resin system. It is specifically designed for applications requiring high mechanical strength due to high unit loading typical in die cart rail and crane rail systems. Its tremendous compressive strength characteristic makes it ideally suited for in-plant rail installations of all types. It is chemically inert, and therefore resistant to Hydrochloric Acid, Sulfuric Acid, Nitric Acid, Sodium Hydroxide, TSP Detergent and Kerosene.

UNISORB DCR V-100 (Acid Resistant) Epoxy Grout is formulated for medium thickness pours. It is recommended for applications varying from approximately 1/8” to 8” across the flow characteristics of DCR V-100 allow easy placement within this thickness range. Conven-iently packaged in 1/8, cu. ft. and 1 cu. ft. kits.

UNISORB® ADHESIVE V-100® EPOXY GROUT

- Paste Consistency.
- Bonds to Most Surfaces.
- One to One Mix Ratio.
- Short Cure Time.

This is a general purpose industrial adhesive for uses in bonding, filling, patching and in temporary and permanent machinery installations.

A two gallon kit consists of two 1 gallon cans providing 450 cu. in. of material. With a 1:1 mix ratio you need only as much as is required. Reseal the cans of unused adhesive for future applications.

UNISORB® JOINT FILLER V-100®

- Remains Flexible.
- Seals Out Liquids.
- Tough and Puncture Resistant.
- Keeps Out Chips and Debris.
- Promotes Grout Housing.
- Convenient Kit Includes Mixing Paddle, Pail, Resin and Hardener.

Recommended to fill and seal the exposed top edge of UNISORB foundation isolation materials. Also useful to fill and seal cut control joints in concrete floors.

SPECIALIZED V-100® EPOXY GROUTING PRODUCTS

V-100 epoxy grouting products are also available with these special features:

- Low-Temp Air Temperatures from 25°F to 65°F
- Xtra-Temp Up to 230°F Service Temperature
- CR Hi Flow For indoor or outdoor crane rail applications where extreme loads are encountered.

UNISORB Grout Forms are designed to reduce the time required to pour grouting materials for machinery mounting bases. The easy-to-use plastic Grout Forms eliminate on site forms construction while providing for uniformity in size, shape and thickness of poured grout bases. Forms are easy to remove after grout has set by simply cutting the plastic form with a knife and removing.

Square Grout Forms are available in 9” and 11” sizes. A 12” x 15” rectangular form is also available. The 9” forms are available in heights up to 8” and are designed for use with UNISORB Model RK-I Fixators. The 11” forms are made in heights up to 10” and are for use with UNISORB Model RK-II and RK-III Fixators. The 12” x 15” forms are available in heights up to 11” and are for use with the RK-IV and RK-V Fixators.

Supplied with the Grout Forms is a high-tack butyl rubber sealant in roll form which is applied to the base of the Grout Forms. When the Grout Forms are pressed into position on a clean, dry foundation the sealant prevents the grout from leaking under the form. Sealant requires no cure time and grout can be poured immediately after forms are in position. Application tempera-ture for the sealant is from 20°F to 120°F. Excess sealant can be removed from cured grout with mineral spirits.

Grout Forms assure excellent results when used with all UNISORB Grouts.

For detailed grouting information ask for UNISORB Grouting Products Catalog.