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EPOXIES FOR PIPES

TDS 850125

EPOXIES FOR PIPES, ABOVE AND BELOW GROUND

A concise description of ABATRON's most used RESURFACING, REPAIRING, PATCHING AND COATING COMPOUNDS for METAL, CONCRETE AND CLAY PIPES

2-part compounds for installation, protection and maintenance of pipes of any size and in any environment can be characterized by the following 3 categories:

- 1): **STRUCTURAL ADHESIVE GROUTS** to be applied with trowel, caulking gun or putty knife. Used for patching, resurfacing, bonding, sealing. They can be built up in any thickness, even many inches. Available in many colors. The most used are:

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ABOWELD 48-33: All-purpose gray adhesive paste. 100% solids. RATIOS: 2/1 with ABOCURE 48-33. POT LIFE: 2 hrs. Hard within 2-8 hrs (the thicker the faster). The most versatile epoxy paste. ABOWELD is white and ABOCURE is black; other colors also available.

ABOWELD 8301-12: Standard adhesive paste for clay and concrete pipes. 100% solids. RATIOS: 15-1 by weight (8/1 by volume) with ABOCURE 8301-12. POT LIFE: 45 minutes. Hard within 1-4 hrs. Heavily filled, it hardens like clay or concrete, with high hardness and rigidity. Clay or custom colors.

ABOWELD 8005-4: Gray underwater and all-weather adhesive paste. 100% solids. RATIOS: 1/1 with ABOCURE 8005-4. POT LIFE: 30 minutes. Hard within 1-3 hrs. White/black combination. like the 48-33 system, but faster and more flexible. A standard for underwater, marine, dry and wet applications. It hardens at lower temperatures than most epoxies. Highly impact and thermoshock resistant due to its "stiff" flexibility.

ABOCRETE kit: A 5-gallon pail containing: EPOXY + CONVERTER + SAND, PACKAGED SEPARATELY. 100% solids. Neutral color. POT LIFE: 30-50 minutes. To be mixed "as is" in the same pail, or in smaller quantities as needed for every application. More coarse sand and gravel can be added to increase the volume further. It bonds permanently to concrete, metal, masonry and most rigid materials. Much stronger and more chemically resistant than concrete. Ideal multi-purpose kit for patches, repairs, installations, resurfacing.

- 2): **SOLVENTLESS LIQUID COATINGS** to build up new surfaces in any thickness, or to resurface worn areas. Available clear or in colors. When used for layers thicker than normal coatings, they are mixed with up to several times their volume of sand and gravel, without adverse effects and with the advantage of a balanced coefficient of thermal expansion. This can provide thicknesses of many inches, permanent bond, higher strength and chemical resistance than concrete. VOC: 0. The most used are:

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ABOCAST 8012-3: Dark-clear resurfacer, binder and coating for dry and wet surfaces. 100% solids. RATIOS: 2/1 with ABOCURE 8012-3. POT LIFE: 30 min. Hard within 6 hrs. Superior resistance to the typical corrosive acids and ingredients of the food and dairy industry, as well as normal requirements. Dark clear or dark opaque colors.

ABOCAST 8006-5: Clear resurfacer, binder and coating for dry and damp surfaces. 100% solids. RATIOS: 2/1 with ABOCURE 8006-5. POT LIFE: 1 hour. Hard within 8 hrs. Slower and lighter in color than 8012-3. Available also with ABOCURE 8005-6 (2/1 ratio, 30 min. pot life) for bonding fresh poured concrete to old concrete, metal, wood or masonry.

ABOCAST 8508-3: Colored resurfacer, binder and coating for dry and damp surfaces. 100% solids. RATIOS: 10/2 with ABOCURE 8508-3. POT LIFE: 45 min. Hard within 1-3 hrs. High overall chemical resistance. Available in many light, pastel and dark colors.

ABOTAR 8101-8: Black TAR-EPOXY resurfacer, binder and coating for dry and damp surfaces. 100% solids. VARIABLE RATIOS: 2/1 to 1/2 (HARD TO FLEXIBLE) with ABOCURE 8101-8. POT LIFE: 2 hrs. Hard within 6-12 hrs. Outstanding adhesion, water resistance and versatility, neat or with aggregates on normal and bituminous surfaces.

3): SOLVENT-CONTAINING PAINTS for coating by brush or spray. Used as such (mostly in 2-3 coats) or as primers for solventless resurfacing or patching compounds. Available clear, black or in colors. The most popular are:

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ABOCOAT 8508-1: Colored ALL-PURPOSE protective coating for almost any surface. 65% solids. RATIOS: 1/1 volumes with ABOCURE 8508-1. POT LIFE: 8-12 hrs. Hard within 8 hrs. @ 70-80°F (21-27°C). Probably the most popular coating for its overall chemical-physical resistance, ease of application, tenacious adhesion and durability. IN MANY COLORS.

PRIMKOTE 8006-1: Clear fast-drying, thin primer, sealer and coating. 20% solids. RATIOS: 1/1 volumes with ABOCURE 8006-1. POT LIFE: 2-4 days. Dust-free in 10-15 minutes. Hard in 2 hrs. Dependable all-purpose primer and sealer for most surfaces. Superb for metal, concrete and wood. It enables the application of critical coatings like urethanes or furanes on concrete and other difficult surfaces. Standard under solventless paints.

ABOCOAT 8006-3: Clear heavy duty, higher-solids coating. 48% solids. Ratios: 1/1 with ABOCURE 8006-3. POT LIFE: 2-3 days. Hard in 3-5 hrs. General-purpose for most surfaces. Excellent flexibility, hardness, resistance to abrasion, water, alkalis, diluted acids, common solvents, sewage effluents.

ABOTAR 8006-6: High-build black tar-epoxy heavy-duty coating. 84% solids. RATIOS: 7/2 with ABOCURE 8006-6. POT LIFE: 4 hrs. or longer. Hard in 8-24 hrs. As developed by the Army Corps of Engineers and meeting the Steel Structure Paint Council requirements SSPC-16-68T. Outstanding adhesion and flexibility for general purpose and salt water immersion service. Also a standard for bilge tanks, bridges, decks, and most surfaces.

ABOCOAT 8202-10: Colored HIPAC architectural gloss enamel. 62% solids. RATIOS: 1/1 with ABOCURE 8202-10. POT LIFE: 8 hrs. Hard in 3-5 hrs. The paint for FEDERAL HIGH PERFORMANCE ARCHITECTURAL COATING SPECIFICATION TT-C-550C. Available in many colors.

ABOCOAT 8501-1: High CHEMICAL-RESISTANCE coating beyond most specifications. 81% solids. RATIOS: 100/10 with ABOCURE 8505-1. POT LIFE: 40 min. Tack-free in 2 hrs. Hard within 8 hrs. It provides the highest chemical resistance among room-temperature-curing systems. Unmatched resistance to: alcohols, acetone, gasohol, strong acids, alkalis, and harsh solvents like acetone, methyl ethyl ketone. Available in many colors.

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Common to all above products are: permanent adhesion to most rigid surfaces, high resistance to weather, water, brine, fuels, common solvents, alkalis, diluted acids, most industrial effluents, heavy traffic, impact, abrasion, heat.

This list includes only products that are standardized by success for most requirements. Special and custom formulations are provided and developed as needed.

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The above information results from accurate laboratory and fields tests. However, no guarantee, expressed or implied, is offered, as uses and applications are beyond our control. The user is urged to test and adapt the above data in his own conditions and environment previous to product adoption. Specifications may be subject to state-of-the-art changes.

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