



CHEMTRON
INTERNATIONAL, INC.

Epocon 850

(NON-SAG Epoxy Adhesive/Security Sealant)

- TECHNICAL DATA SHEET -

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(NON-SAG EPOXY ADHESIVE/SECURITY SEALANT)

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PRODUCT DESCRIPTION



Epocon 850 is a non-sag 100% solid epoxy.

Epocon 850 is a versatile pick-proof security adhesive/sealant. Epocon 850 can be used for bonding and repairing concrete, and wood restoration Epocon 850 can be used as a dowel and anchor bolt grouting adhesive and as a gap-filling adhesive/sealant. Epocon 850 can be used to repair cracked concrete, set ceramic tiles, bond decorative concrete blocks and patch spalled concrete. Positive surface build-up on vertical walls without sagging is attainable. Check with local supplier for details.

TECHNICAL DATA

MIXING RATIO

2 parts "A" to 1 part "B" by volume. Mix until color streaks disappear and a uniform gray color is obtained. Due to paste like consistency, it is recommended to mix mechanically with a slow speed drill.

COLOR: Part "A" - off white, Part "B" - gray

MIXED PARTS: Concrete gray

CONSISTENCY: Very heavy paste, to easily allow surface build-up on vertical surfaces with minor sagging.

POT LIFE: Working life - 40 to 45 minutes @ 77° F. Longer for lower temperatures.

CURE TIME: 24 hours @ 77° F

SHELF LIFE: Minimum one year in separate unopened containers.

TYPICAL PHYSICAL PROPERTIES:

Compressive Strength 7 - days:	6,569 psi (ASTM-D-695)
Compressive Shear Strength:	2,700 psi
Heat Deflection Temperature:	153°F (ASTSM-D-648)
Tensile Strength:	9,800 psi (ASTSM-D-38)
Effective Shrinkage: passed	(ASTSM-D-883)
Compressive Modulus of Elasticity:	4.2 x 10 (ASTSM-D-695)
Elongation Break:	1.8% (ASTSM-D-638)
Bond Strength 14-days to Concrete:	290 psi (ASTSM-C-882)
Tack Free Time @ 77°F:	8 - 12 hours
Viscosity:	Paste
Shore D Hardness After 7-days:	78
Freeze/Thaw:	Passed
Shore A Hardness After 7-days	98
Passed	(ASTM-B117-62)
Atlas Weatherometer Exposure:	Passed (ASTM-D822-60)

CURED CHEMICAL RESISTANCE

Resistant to mild mineral acids, alkalis, detergents, solvents, hydraulic fluids, lubricating oils, salts, etc.

INSTALLATION

Application by trowel, putty knife or caulking equipment. Proper surface preparation such as sand-blasting, grinding, wire brushing or other suitable means (as required) is essential for proper adhesive or caulking performance. Surfaces to receive adhesive or caulking must be structurally sound, dry, clean, free of dirt, water, loose particles, oil, grease, asphalt, tar, paint, wax, rust, waterproofing, curing and parting compounds, membrane materials, or any other contaminants which might prevent satisfactory bond and epoxy cure. Thorough mixing of Epocon 850 (using mechanical Jiffy mixer whenever possible) is essential for satisfactory performance. Although it is of a paste consistency, Epocon 850 blends readily and is quite workable in its mixed state. Always pay strict attention to ambient and surface temperature of repair areas.

CLEAN UP

Use aromatic solvents such as Toluene, Xylene or MEK with uncured material only. Once fully cured abrasion or mechanical tooling will be the only option.

MAINTENANCE AND PRECAUTIONS

Apply per recommendations made herein with equipment suited for use with this compound. For additional information refer to the manufacturer.

WARNING

Epocon 850 can cause dermatitis if proper precautions are not taken. Protection to skin and eyes should be provided by the use of gloves and protective creams. If contact occurs with skin, wash thoroughly with soap and water. If it gets in the eyes, flush for ten minutes with water and get immediate medical care. Never try to remove epoxy from skin by using solvents.

WARRANTY

WARRANTY, RECOMMENDATIONS FOR USE OF THIS PRODUCT ARE BASED ON RELIABLE TESTS, SINCE DESIGN AND CONDITIONS OF INSTALLATION ARE BEYOND OUR CONTROL. NO GUARANTEE OR APPLICATION IS IMPLIED. OUR LIABILITY FOR ANY DEFECT OF THE MATERIAL IS LIMITED TO REFUND OF THE PURCHASE PRICE ONLY.