



PHILLYBOND® TA-30 – TECHNICAL BULLETIN #958A

Revised: 01/2017

PRODUCT DESCRIPTION

PHILLYBOND TA-30 is a two component, high tack strength, epoxy adhesive specifically developed for the installation of vibration damping materials such as MLD-2 Tiles, RA, Saper, Isoper, PVC and other. Clamping or shoring is generally eliminated as TA-30 Adhesive will support in excess of 25 kg/sq.m. (5 lbs./sq.ft.) on overhead and vertical surfaces while curing takes place. TA-30 is excellent for grouting between damping tile sheets and for forming fillets at welds or seams. TA-30 is nontoxic and contains no solvents. Fumes and odors of mixed TA-30 are negligible thus facilitating usage in confined areas. Resistance to fresh water, salt water, crude and refined oils, gasoline, jet fuel, etc., is excellent.

SURFACE PREPARATION

Surfaces must be clean and sound and free of oil, dirt, old paint and other foreign matter. Blast, abrade or clean surface for best adhesion. Final rinse of surface with Impax IXT 59 solvent helps to ensure complete removal of grease and oils.

MIXING AND APPLICATION INSTRUCTIONS

PHILLYBOND TA-30 is mixed one part white resin to one part black hardener by volume. Equal sized quantities are best placed side by side on a wood or hard board surface and thoroughly mixed until a uniform gray color is achieved. Mix quantities which can be used within approximately one hour. PHILLYBOND TA-30 has an exceptionally soft creamy consistency providing ease of mixing.

Mixed adhesive may be applied to damping tile or sheet with either a smooth or notched trowel. With smooth edge trowel apply uniformly at approximately 0.8mm (1/32") or thicker. Notched trowels with serrated edges of 1.6mm (1/16") or larger may be utilized. Coat entire surface of tile evenly including edges. Bend coated tile and starting with edge roll onto hull structure such that adhesive spreads under tile ensuring that air is not entrapped. Adhesive may be applied to either or both surfaces. Intimate contact may be further insured through pounding with a rubber mallet. TA-30 develops excellent bond between poorly fitted surfaces and is recommended for metals, rubber, wood, glass, masonry and many plastics. PHILLYBOND TA-30 is easily cleaned off tools and hands prior to setting with water.

PHILLYBOND® TA-30
TILE ADHESIVE - ADHESIVE AND GROUT
QPL - MIL-A-24456

TECHNICAL INFORMATION

COLOR	Resin - White Hardener - Black Mixed - Gray	
COMPRESSIVE MODULUS OF ELASTICITY	13,790 kg/cm ² (197,000 psi)	
COMPRESSIVE STRENGTH	770 kg/cm ² (11,000 psi)	ASTM-D-695
COVERAGE	Up to 1.85 sq.m. per liter (75 sq.ft. per gallon) Applied with notched trowel	
CURE TIME	24 hrs. @22°C (72°F) 15 days @1.7°C (35°F)	
HARDNESS - BARCOL	20	ASTM-D-2583
MIXING RATIO	By volume: 1:1 By weight 100 parts resin to 88 parts hardener	
PACKAGING	6.35 kg (14 lb.) unit 4.9 liters (1.3 gallon) unit	
POT LIFE	1-1/2 hrs @22°C (72° F) 6 liters (1.6 gallon) batch	
RESISTANCE TO HIGH IMPACT	Pass MIL-S-901	
SHEAR ADHESIVE STRENGTH	89.5 kg/cm ² (1,274 psi)	
SHELF LIFE	2 years	
TEMPERATURE RESISTANCE	65°C (150°F)	
TENSILE ADHESION PERPENDICULAR TO THE BOND	120 kg/cm ² (1,700 psi)	MIL-A-24456
TENSILE STRENGTH	224 kg/cm ² (3,200 psi)	ASTM-D-638
VISCOSITY	Thixotropic paste, trowelable	

General: Every reasonable effort is made to insure the technical information and recommendations on these data pages are true and accurate to the best of our knowledge at the date of issuance. However, this information is subject to change without notice. Prior versions of this publication are invalid with the release of this version. Products and information are intended for use by qualified applicators that have the required background, technical knowledge, and equipment to perform said tasks in a satisfactory manner. Consult your local distributor for product availability, additional product information, and technical support. **Warranty:** ITW Engineered Polymers, a division of Illinois Tool Works Inc., warrants that its products meet their printed specifications. This is the sole warranty. This warranty expires one year after product shipment. **Warranty Claims:** If any product fails to meet the above, ITW Engineered Polymers will, at its option, either replace the product or refund the purchase price. ITW Engineered Polymers will have no other liability for breach of warranty, negligence, or otherwise. All warranty claims must be made in writing within one year of the date of shipment. No other claims will be considered. **Disclaimer:** ITW Engineered Polymers makes no other warranty, expressed or implied, and specifically disclaims any warranty of merchantability or fitness for a particular purpose. Suggestions concerning the use of products are not warranties. The purchaser assumes the responsibility for determining suitability of products and appropriate use. ITW Engineered Polymers' sole liability, for breach of warranty, negligence or otherwise, shall be the replacement of product or refund of the purchase price, at ITW Engineered Polymers' election. Under no circumstances shall ITW Engineered Polymers be liable for any indirect, incidental or consequential damages. **Modification of Warranty:** No distributor or sales representative has the authority to change the above provisions. No change in the above provisions will be valid unless in writing and signed by an officer or the Technical Director of ITW Engineered Polymers. No term of any purchase order shall serve to modify any provision of this document. **Mediation and Arbitration:** If any dispute arises relating to products or product warranties, either the purchaser or ITW Engineered Polymers may a) initiate mediation under the then current Center for Public Resources (CPR) Model Procedure for Mediation of Business Disputes, or b) initiate a non-binding arbitration under the rules of the American Arbitration Association for the resolution of commercial disputes.