

Technical Data Sheet

POLYBOND 4988

Surface Conditioner for Polymeric Materials

Product description:

Description:

POLYBOND 4988 is a solvent based surface treatment for use on various vulcanized and thermoplastic polymeric materials. **POLYBOND 4988** chemically alters the surface of rubber, making it more receptive to bonding with coatings and adhesives.

Intended use:

Adhesion to the chemically cured and thermoplastic polymers listed below was greatly improved with the use of **POLYBOND**: SBR, EPDM, butyl, natural rubber, neoprene, nitrile, polybutadiene, polyvinyl chloride, polyurethane, styrene butadiene block copolymers, styrene isoprene rubbers, and synthetic polyisoprene.

Advantages:

Rapid action:	Fast drying surface treatment flashes off in 5 minutes or less.
Simple application:	Applies easily by wiping, brushing, or dipping.
Improves Adhesion:	Improve adhesion of adhesives and coatings.
Versatile:	Works as a surface cleaner and surface conditioner for a wide range of elastomers.

Characteristics:

Physical properties:

Appearance:	clear
Specific gravity (ASTM D 1475):	.892
Flash point (D 56 Tag):	7.2°C
Coverage (ASTM 2805):	570 sq. ft/US gal. using a 100% cotton rag.

Shelf life*:

6 months

*Stored at room temperature, away from the light.

Specifications:

Surface preparation:

Contaminants should be removed by wiping the surface with **2450 Cleaning Solvent** using a 100% cotton rag before the application of **POLYBOND 4988**.

Mixing:

POLYBOND 4988 requires no mixing, It has been well mixed during its' manufacture and should remain in solution. If there is any sediment on the bottom of the container; and or, if **POLYBOND 4988** becomes dark yellow in color it may be expired due to improper storage or handling. Consult your vendor for verification.

Application:

POLYBOND 4988 can be applied by wipe, brush, dip or flood methods. **POLYBOND** is corrosive to metals, so metal containers or tools are not to be used. Transfer some of the product to a new, clean high density plastic container. If you are wiping the surface, use only clean cotton rags. Change the rags frequently as they can become contaminated from the pieces being treated. If you use a brush applied method, use only a bristle or foam brush. Check that the foam is compatible with the solvents in the **POLYBOND 4988**. Brushes with metal handles or metal collars should not come in contact with the product. For dipping, immerse the pieces in the **POLYBOND** and rack the pieces to allow the solvent to completely flash off. If the elapsed time between the **POLYBOND** application and the coating or bonding time exceeds 6 hours, the surface should be retreated with **POLYBOND**. To prevent contamination, discard any excess product. It should not be put into the original storage container to avoid the possibility of contamination.

Storage:

POLYBOND should be stored in a dark, cool area. It should not be exposed to humidity or sunlight as it will lose its effectiveness. Store away from oil, grease, sawdust, floor sweeping compounds, amines, ammonia and ammonia salts. In the event of a spill, use large amounts of water to thoroughly flush the area. Avoid contamination or contact with flame or burning material. **POLYBOND** contains flammable solvents. It should be kept away from heat, sparks and open flame. Avoid contact with oxidizing agents or continuous contact with metals.

Safety Cautions:

Prior to using this product, consult the MSDS for more information. Avoid temperatures above +38°C or below +10°C. Avoid prolonged breathing of vapors and skin contact. Prolonged exposure can cause irritation to eyes, mucous surfaces and respiratory passages. Use in a well ventilated area and do not smoke while applying. Keep away from fire and open flame. Avoid contact with eyes, skin and clothing. Wear gloves and protect face during application. In case of contact with the eyes, flush immediately with plenty of water. Get medical attention promptly. If skin contact occurs, wash with plenty of soap and water. Remove contaminated clothing and wash before reuse. Wash hands thoroughly before eating or smoking, **POISONOUS IF SWALLOWED**. Should **POLYBOND** be swallowed accidentally, do not induce vomiting and contact physician immediately.

POLYBOND 4988 is for industrial or commercial use only. It must be applied by trained personnel only.

Note: POLYBOND Surface Conditioners and 2450 Cleaning Solvent are **FLAMMABLE**. Smoking or the use of electrical equipment that may cause sparks should be prohibited while these products are in use. Solvent soaked rags represent a dangerous fire hazard. They should be discarded in accordance with local or state safety regulations.

Warranty:

PBWW Inc. warrants that this product has been manufactured from the highest quality raw materials, under conditions to meet rigid quality standards established by **PBWW Inc.** Therefore the following is made in lieu of all other warranties expressed or implied. Seller's and manufacturer's sole obligation shall be to replace such quantity of the product proven to be defective. Neither seller nor manufacturer shall be liable for any loss or damage direct or consequential arising out of the use of or the inability to use this product. Before using, user shall determine the suitability of the product for his intended use. User assumes all risks and liability whatsoever in connection therewith. No person has authority to change these terms and there are no warranties, except as herein stated.

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