



POLYTEK® DEVELOPMENT CORP.
BCC PRODUCTS, INC.

Technical Data Sheet BP-2014 Laminating Epoxy Resin

Description:

BP-2014 is a white epoxy laminating resin which provides quick wet-out of fiberglass cloth with easy brushing characteristics, while keeping run-off from vertical surfaces to a minimum. The resin is color indicated (green) and will turn white as the hardener is mixed into the resin. This indicator system promotes fast and efficient mixing of the resin and hardener, insuring that they are thoroughly mixed yet wasting no time overmixing. Fiberglass laminates made with BP-2014 will have excellent physical properties when used for structural parts.

Use Procedure:

BP-2014 is usually used in conjunction with a surface coat such as BP-3042, BP-3044, or BP-3046. Mix the resin and hardener in the ratio of 100 parts resin to 20 parts hardener, by weight. Continue mixing until the green indicator color disappears. Apply with either a brush or squeegee taking care to avoid excess resin-rich areas. The pot-life of a 120 gram mass will be approximately 35 minutes. Laminates should be allowed to cure for at least 16 hours at 72°F before removing from the mold. Subsequent lamination on top of a cured laminate will have excellent ply-to-ply adhesion.

Properties:

Mix ratio - resin/hardener:	100/20 by weight
Viscosity - mixed:	2,700 cps
Pot life - 120 grams:	35 minutes @ 72°F
Cure time:	16 hours @ 72°F - overnight 31,500
Tensile strength:	psi
Flexural strength:	38,100 psi
Compressive strength:	27,600 psi
Heat deflection temperature:	160°F

Precautions:

Skin contact should be avoided. After using, clean hands with alcohol followed by soap and water. For eye contact, flush with water and consult a physician immediately. For further safety information, please see the MSDS.

DISCLAIMER: The information in this bulletin and otherwise provided by Polytek® Development Corp. is considered accurate. However, no warranty is expressed or implied regarding the accuracy of the data, the results to be obtained by the use thereof, or that any such use will not infringe any patent. Before using, the user shall determine the suitability of the product for the intended use and user assumes all risk and liability whatsoever in connection therewith.

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1/20/2020