

# GARD-DECK® HARDENER (BPO)



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## PRODUCT DESCRIPTION

Gard-Deck® Hardener (BPO) powder contains peroxide and is soluble in acrylic resin. After mixing the powder into the resin it reacts with the resin and starts the polymerization reaction.

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## PRODUCT USE

Gard-Deck® Hardener (BPO) is used to catalyze the (PUMMA) resins to start the polymerization and hardening of the resins it is used with. Follow the mixing charts with each specific resin.

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## PACKAGING

Bags: 2.625 lb / bags  
Box: 11.25 lb / box and 56.25 lb / box

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## DATA

Condition	Sandy, White dry powder
Content of Dibenzoylperoxide and Dicydohexylphthalate	+ or - 50%
Vibration density at 20 °C	640 kg/dm <sup>3</sup>
Self accelerating decomposition temp	140 F°
Self ignition temp	Not Determined
Solubility	Not soluble in water

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## SAFETY

Gard-Deck® Hardener (BPO) is an oxidation agent that violently decomposes under the influence of heat or when contact with reduction agents. Never mix with accelerators. Store and transport separately from Gard-Deck® (PUMMA) resins.

Keep away from open flames, or sources of ignition. Do not smoke around product. Once mixed with resins, vapors may exist and can be explosive when mixed in the ambient air. Avoid direct contact with the skin, eyes, and breathing fumes. Always wear personal protective equipment such as: eye protection, gloves and respiratory equipment.

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The information, data and suggestions contained herein are believed to be reliable, based upon our knowledge and experience. For the most up to date information, please visit [www.hydro-gard.com](http://www.hydro-gard.com). HYDRO-GARD accepts no responsibility for the results obtained through application of this product. HYDRO-GARD reserves the right to update information without notice.

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## STORAGE

Store in cool, dry area and ventilated area, and away from any flame or ignition. Do not store in direct sunlight or in elevated temperatures above 80 °F. Indoor storage is recommended. Never store close to MMA, PMMA or PUMMA resins.

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## MIXING PRECAUTIONS

Gard-Deck® Hardener (BPO) is only to be added to the (PUMMA) resins once the initial resins have been mixed as indicated on the product data sheet. Any fillers, thickeners, aggregates or accelerators are only to be added to the mixing batch after the hardener has been thoroughly mixed into the resin.

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