



Semi-permanent Mold Sealer and Release Products for Composite Molding Systems

Dyna-Tek DT-420 Mold Sealer Product Summary

Product description

Developed, patented, and manufactured by Dyna-Tek since 2010. DT-420 is a sealer coating with very good hydrophobic properties as well. Formulated for use with Dyna-Tek's DT-6060 and 6061.

- Proven performance in use with all composite resin systems including toughened Epoxy resin systems, as well as polyester, vinyl-ester, phenolics, BMI.
- Excellent adhesion to most tooling substrates:
 - All metals
 - INVAR
 - Plated finishes
 - Composite tools.
 - Adheres well to other coatings.
- High temperature resistance of over 1000° F/538° C
- Semi-gloss, clear finish.
- DT-420 will not transfer silicone to molded parts.
- Assuming good surface preparation, DT-420 seals the substrate in one (1) application.
- DT-420 can be re-applied over itself to reseal any areas with wear/abrasion but will not adhere to itself w/o a light abrasion of the prior coat.

Product Characteristics

- DFT coating thickness of 3-6 μ
- Pencil Hardness (ASTM D3363) - 9h
- Mandrel Bend (ASTM 522) – 0 mm coating loss or signs of cracking with 180° rotation.
- Solvent Based Polymer
- Odor: Solvent
- No Chlorinated Solvents
- Gloss finish
- Unopened containers have a one (1) year shelf life from date of manufacture provided proper storage.

- Handling & Storage precautions:
 - DT-420 polymerizing catalysts are oxygen molecules and moisture. Therefore, to preserve bottled products, it is best to reseal containers when not using.
 - Follow all safety precautions and open slowly if you observe any expansion of the container.
 - Do NOT store where it can be exposed to sunlight.

Product Application

- Easy to apply. Can be wiped on, dipped, or sprayed.

Specific Benefits

- As a sealer with good hydrophobic properties itself, DT-420 enhances and extends the production life of DT-6060.
- Increased number of production cycles/lay-ups without re-coating compared to the other products on the market results in:
 - Less wear and tear on your molds/tooling due to:
 - i. General handling while removing and reinstalling to recoat.
 - ii. No need to mechanically blast the prior coating off before recoating.
 - iii. Much less erosion of the substrate from excessive hand/powered sanding.
- Less downtime, more production cycles, more sales.

Safety Information

Refer to our SDS for all safety data for all safety information.