



GTP ButterOn 85D Rigid Thixotropic

Description GTP *ButterOn* 85D consists of two thin liquids, Part A (cream) and Part B (green). After mixing, GTP *ButterOn* 85D immediately thickens to a buttery non-sag paste, which forms a high strength rigid bond. GTP *ButterOn* 85D is especially well suited for forming rigid parts and molds. When fully cured, GTP *ButterOn* 85D forms a rigid “fiberglass like” polymer that is easily sanded or machined into final form. GTP *ButterOn* 85D can also be used as a rigid mother mold back up for flexible molding compounds. GTP *ButterOn* 85D can be used with expanded polystyrene foam as an adhesive or “hard” coating. The Thixotropic (self-thickening) nature of GTP *ButterOn* 85D allows for easy application to difficult overhead and vertical surfaces. GTP *ButterOn* 85D contains no solvents or fumes thereby avoiding fire and worker health hazards in contained work environments

Application All surfaces to be coated with GTP *ButterOn* 85D should be coated with silicone mold release “Parfilm” (available through Industrial Polymers) to prevent unwanted bonding. Parts to be coated must be absolutely dry. Fabric or chopped fiber can be used to enhance the physical properties of the cured material. Application and curing of finished parts should be done in a dry environment to prevent any unwanted surfacing bubbling. All parts are fully cured in 24 hours @ 72° F before removing clamps and trimming access adhesive. Elevated temperatures will accelerate cure time, and cooler temperature will slow down curing.

Mix Ratio Condition liquids to 72° F, remove container lids and stir carefully stir component A and component B separately. Carefully measure out equal parts of component A (cream beige) and component B (green) in separate container. Do not mix more than one quart of finished material per batch. To insure proper mixing and adequate working time. Pour all of component B into component A and mix by hand with flat spatula. Carefully scrape sides down and bottom of container to insure all of both components are included in the mixture. Mixture will change color to a lighter green and thicken to a creamy paste and become slightly warm to touch. Apply thickened mixture to surface.

Typical Properties

	Viscosity	Specific Gravity	Weight Per Gallon
Component A	450 cps	1.23	10.29 lb.
Component B	600 cps	1.06	8.84 lb.
Mixed	500,000 cps	1.15	9.56 lb.
Mixing Ratio	By volume By weight		1 part A to 1 part B 100 parts A to 86 parts B
Work life			10 minutes @ 72° F
Cure time			24 hours @ 72° F

Set time and Demold depend on temperature and relative humidity

Physical Properties

	Value
Hardness	85 Shore D
Tensile strength	3500 psi
Elongation	3 %
Solids content	100%
Color	Green

Shelf Life

GTP *ButterOn* 85D is shipped from the factory in sealed containers. The containers should be stored in a cool dry area that is protected from direct sunlight and moisture. Storage temperatures should not exceed 80° F. The shelf life of factory sealed containers stored under these conditions is six months. Containers that have been opened should be resealed immediately after material has been removed in order to prevent solvent evaporation.

Packaging

GTP *ButterOn* 85D is available in convenient 2-quart, 2-gallon and 10-gallon kits. GTP *ButterOn* 85D has a non-hazardous rating for shipping.