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**DURA TEMP.**  
CORPORATION

**Our Mission:**

To Be The Best Provider of Hot Ware Handling Solutions for Glassmakers Worldwide

Technical Bulletin

December 28, 2011

## Protatherm® Products for the Gob Forming Area

**December 2011 Technical Bulletin** - Dura Temp is pleased to feature some products for the gob forming area in this technical bulletin. In addition to its standard line of products, Dura Temp also offers Protatherm® parts and materials for applications in the gob forming area. Some of these applications include:

**Feeder Bearing Rings** - Glassmakers who use graphite feeder bearing rings eliminate the need for lubrication that is necessary with different types of metal bearings. Protatherm® graphite material performs exceptionally well as self-lubricating feeder bearing rings. It is a strong and durable material that will ensure the entire IS machine does not have to be shut down due to breakage issues.

**Gob Tubes** - Dura Temp offers Protatherm® gob tubes which can be used to assist with the delivery of the glass gobs to the chutes. These can be supplied finished with the profile already machined, or semi-finished for end-user machining per the job requirements.

**Gob Deflector (Rejector) Plates** - Protatherm® gob deflector plates provide a smooth surface to reduce sticking issues and to guide the gob precisely into the cullet chute. While standard Protatherm® grades work well in most applications, superior grades are available for more challenging situations or where plate breakage is occurring. In addition, these deflector plates can be supplied in any form from standard solid plates to custom-machined with cooling holes.

**Mold Top Plates and Blow Head Inserts** - Certain containers will require the use of mold top plates and/or blow head inserts to prevent thermal checks in the mouth and neck of the container. Protatherm® has several material grades which have proven to be superior to other graphite materials offered for these applications.

Unlike most graphite products available, Protatherm® materials have been

developed specifically to aid the forming and handling of glass containers in the hot-end. Protatherm® products are delivered with short lead times and can be supplied in large batches or small quantities.

Please contact us with your requirements for any of the above items and we would be pleased to offer our recommendation.



Dura Temp's Mold Top Plates  
made from Protatherm material

### About Dura Temp Corporation

Dura Temp Corporation is an industry-leading supplier of hot ware handling solutions for glassmakers worldwide. From the gob forming area through the lehr loader, Dura Temp offers superior materials, quick-change parts and assemblies, and technical experience that allow glassmakers to achieve optimum results in the hot-end. Dura Temp is continuously evaluating the changing needs of the glass industry and adapting the solutions it offers to best meet these needs.

### Dura Temp Corporation

A handwritten signature in black ink that reads "Jon I. Horner".

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### Dura Temp Corporation

A handwritten signature in black ink that reads "Catherine Woessner".

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*Suggest a topic for Dura Temp's Monthly Technical Bulletin*