

Royalite[®] HG—FAQ's

What is the optimal forming temperature for Royalite[®]HG?

The optimal forming temperature is between 330^o and 355^o, which means more efficient heating times for faster forming.

Will Royalite[®]HG weaken or become brittle during forming?

No, Royalite[®]HG is more ductile and, while easy to form, it retains its toughness throughout the forming process.

What about the finishing processes – is it easy to polish the edges?

Yes, you will be pleased with how easily and smoothly you can polish off the edges of your Royalite[®]HG piece using the Cecile Wheel.

How clearly will the details in my designs stand out?

Royalite[®]HG material tough but pliable. Your unique designs will be executed with the highest quality look and feel.

How easily will Royalite[®]HG bond with adhesives?

The formulation is not only easy to form, it is also easy to machine, fasten mechanically or bond using adhesives.

Is it possible to create a holster where the inside is a different color than the outside?

Yes, it is. Spartech has co-extrusion capability to produce a multi-layer, 2-color material. That means it is a single layer sheet, so there won't be any delamination as can happen with two-sheet materials.

Will chemicals and cleaners cause my holsters and sheaths to lose their shape and/or color?

Royalite[®] HG's PVC/Acrylic formulation provides a material with good chemical resistance that can withstand frequent gun cleanings for a longer lasting product.

Durability is important to my customers. Will the products I make with Royalite[®]HG handle everyday use?

Not only will your products withstand wear and tear of everyday use, the high-impact strength and surface textures of Royalite[®]HG means they will keep looking great, too!

Is Royalite[®]HG manufactured in the US?

Yes! Spartech is a US based company and manufactures Royalite[®] products in US plants

Advantages of Royalite[®] HG

Physical Properties

- PVC/Acrylic chemistry
- High Impact
- Excellent chemical resistant
- Abrasion resistant
- Durable

Quality

- Extensive color pallet
- Vibrant colors

- Dual layer mono sheet
 - No delamination as in two sheet progress
 - Complete bonded edges
 - No bleed through in forming process
 - No layer bleeding when laser cut
- Printed Patterns
 - Small sheet quantity
 - Better color clarity before forming
 - Better color clarity after forming
 - UV resistant

- Excellent abrasion resistant
- Printable white on black

Processing

- More ductile
- Quicker process time
- Better formed in detail
- Polishes better
- Sands easier