

# Citroën DS3 body panels manufactured with Crestapol® 1250LV urethane acrylate resin by Galway Carbon

## Company Profile - Galway Carbon

### LOCATION : Oranmore, Ireland

- Galway Carbon, based in Oranmore on the West Coast of Ireland is seen as a leader in innovative, Advanced Composite fabrications for the motorsport industry.
- Experience with many applications and production methods, materials and processes.
- Leaders in new composite applications and technologies.



## Crestapol® Application

### Crestapol® 1250LV

11 new composite body panels for the Citroën DS3 were vacuum infused using Scott Bader's high performance Crestapol® 1250LV urethane acrylate resin reinforced with carbon fibre and Kevlar fabrics.

Ability to infuse and cure at room temperature.

Available in multiple pack sizes.

- Product Features
- Excellent bond to carbon or glass
  - Quick cycle times
  - High temperature resistance
  - Ultra low water absorption
  - Room temperature cure
  - Simple one stage cure profile
  - Lightweight
  - Superb surface finish



## Benefits/Advantages

- ✓ Reduced weight of certain parts by up to 89% by reducing or eliminating the use of steel
- ✓ Replaced traditional GRP parts with new Crestapol® 1250LV and Carbon-Kevlar, significantly improving stiffness and reducing weight by 50%
- ✓ Faster processability than rival epoxy products
- ✓ No need to post cure – rapid cycle times and superb surface finish
- ✓ Exceptional strength and durability

## Customer Quote

“ There are several reasons why we chose Crestapol® 1250LV. The resin's mechanical performance is exceptional, combining the strength and durability needed to reliably cope with harsh rally car racing conditions; being a Scott Bader product we have a high level of confidence in its quality. From the processing side, it is extremely good for vacuum infusion, with very rapid cycle times at room temperature which is way ahead of any comparative epoxies, and the surface finish is excellent. The final reason is that overall Crestapol® has proved to be more cost effective than any epoxy resin we have ever used as we don't need to do any oven curing.”

Galway Carbon.