

2013

Innovation in Materials | **Winner: Scott Bader**

Development of Crestabond® MMA structural adhesives utilising Scott Bader's proprietary urethane acrylate technology

Overview

Scott Bader developed a range of Crestabond® MMA structural adhesives utilising its urethane acrylate technology. The adhesives allows users to eliminate the use of primers and reduce/eliminate the prior surface preparation time, allowing the bonding of wide variety of dissimilar substrates (for example, fibre-reinforced composites can be bonded to metals).

Crestabond adhesives exhibit excellent fatigue and impact performance, and are tailored to provide a wide variety of working and fixture times to suit the end-use application.

The combined urethane acrylate/MMA adhesive technology makes the adhesive universally suitable for bonding thin and thick bond-lines, which is novel for a fast curing material. A combination of cartridge and bulk dispensing leads to better application control of the appropriately sized adhesives beads yielding less waste and more efficient usage.

These very fast cure times can significantly reduce the cycle times of the manufacturing process yielding further benefits for the manufacturer. This unique combination of features will develop new applications for composites especially those where composites have to be used in conjunction with other materials.

Partners & collaborators

New World Doors Ltd

Worked with Scott Bader to develop the best process for the adhesive bonding of composites parts to ensure the delivery of maximum benefits.



“Winning the Composites UK award was a huge honour for all of those involved in the development of the Crestabond® range at Scott Bader and provided an increase in awareness of the product across the whole industry”.

Jonathan Stowell, Global Business Manager - Adhesives

The Composites UK Industry Awards are presented at the black-tie dinner on the first Wednesday in November. The event is aligned with the Composites Engineering Show in Birmingham.

Keep an eye out for our annual nomination process each May for your chance to apply.

www.compositesuk.co.uk/awardsdinner