

PRESS RELEASE

Nov 09

Crestapol[®] 1212 High Performance Resin Enables Higher Haul off Rates and Superior Product Performance for Pultruded Profiles.

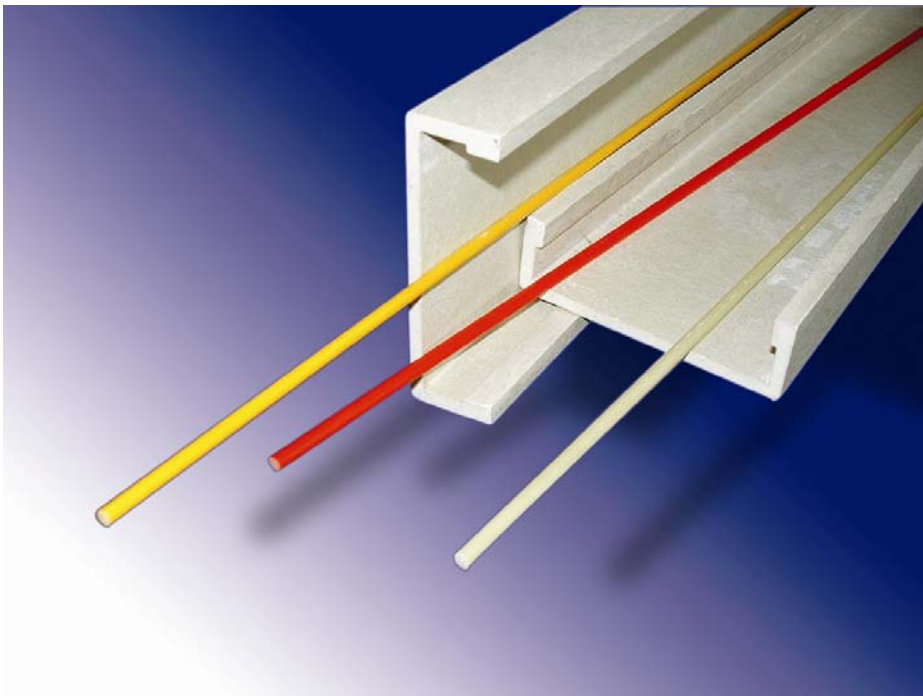
Leading pultruders have seen major benefits in improved productivity and enhanced product performance from using Crestapol[®] 1212 resin to cost effectively produce a variety of pultruded profiles for building, land transportation and other demanding industrial applications. The low viscosity of the resin makes it possible to achieve high filler loadings of up to 200 phr of aluminium trihydrate (ATH) fire retardant filler, to make pultruded profiles which must pass the most stringent fire, smoke and toxic fume test standards, as well as providing high mechanical performance in use.

Crestapol 1212 is a thermoset blend resin, based on innovative urethane acrylate chemistry, specifically developed for pultrusion by Scott Bader's R & D team. It is a tough, low viscosity resin, suitable for wet bath and injection applications, which enables high filler loadings (up to 2:1 filler: resin loading) and rapid wet out of reinforcement fibres. It has a very rapid cure and fully cures with no need for any post cure; this enables faster haul-off speeds to be used compared with typical pultrusion grade thermosetting resins. Crestapol 1212 can be processed on standard pultrusion equipment without modification, using standard initiators and additives commonly used for pultrusion; formulation advice is provided by Scott Bader's Technical Services Department.

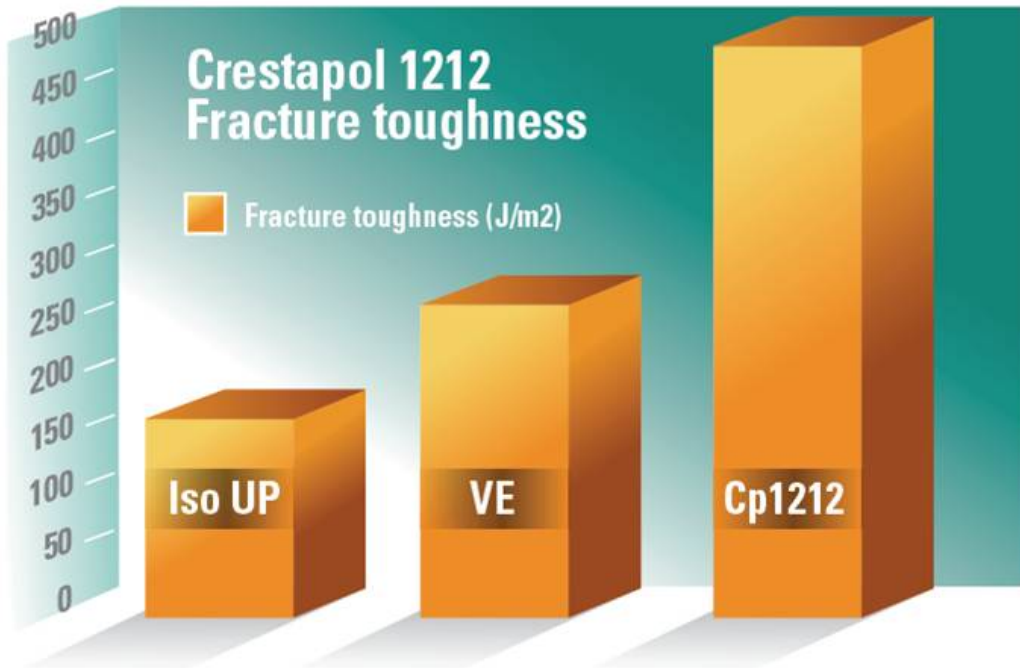
The inherent toughness of the cured urethane acrylate based resin matrix provides high mechanical properties, even with high filler mineral fillers loadings, such as ATH. For demanding fire retardant applications, mechanically superior pultruded profiles can be made, which also achieve the highest fire, smoke and toxic fume (FST) Epiradiateur test standards (NFF16-101; NFP92-501-M1,F0). Crestapol 1212 resin is also compatible with standard pigments, allowing high quality colouration of components to be achieved.

The Scott Bader Technical Service & Business Development team provides global technical support for pultruders interested in using Crestapol 1212 resin. They understand the technical aspects of pultrusion and offer 'bespoke solutions' to customers, providing the best option for individual requirements. Mr Neil Gray, Business Development Manager for Scott Bader commented: *"Several Crestapol 1212 development projects with leading pultruders in Europe, China and South America have been completed over the last 18 months for profiles used in rail, metro and building applications. We worked closely with each pultruder to ensure that they obtained the maximum performance, cost saving and productivity benefits from their line achievable with Crestapol 1212 resin."*

Further information on the Crestapol range of resins for closed mould and pultrusion can be found on the micro website www.crestapol.com. Details about the full range of orthophthalic, isophthalic, DCPD and VE closed mould resins, gelcoats, bonding pastes and adhesives available from Scott Bader is available on their main website www.scottbader.com. Alternatively e mail composites@scottbader.com to request a follow up call from a local sales representative or to be sent further information.



Pultruders benefit from higher productivity with Crestapol 1212 resin due to the higher haul off rates possible, even at high filler loadings for FST applications.



*Crestapol 1212
Fracture toughness
V's Iso UP and VE
resins.*

About Scott Bader

Scott Bader was established in 1921. Today it is a £180 million multinational chemical company, employing 560 people worldwide. It is a common trusteeship company, having no external shareholders, with a strong commitment to support its workforce, society and the environment.

Scott Bader's headquarters is based in the UK where they have purpose-built, state-of-the-art technical facilities that provide R & D as well as complete evaluation, testing and application support. They have manufacturing facilities in the UK, France, Croatia, The Middle East and South Africa. For further information regarding Scott Bader, please call +44 (0)1933 663100, visit www.scottbader.com, or e-mail info@scottbader.com.