

# **CRYSTIC 935PAHR**

## **Polyester resin for Casting**

### **Introduction**

Crystic 935PAHR is a pre-accelerated high performance, isophthalic neopentyl glycol unsaturated polyester resin, developed specifically for the casting of Solid Surface flat sheet.

Crystic 935PAHR is a high clarity, low colour resin and is supplied at a low to medium viscosity in order to accept the maximum level of fillers such as Aluminium Tri-Hydrate (ATH), and coloured chips or natural stone.

For production of more complex shapes, where a slower geltime is required, then Crystic 935PA is available on request.

### **Applications**

Applications using 935PAHR include high performance sanitary ware, vanity units, worktops and cladding panels for kitchens, bathrooms and commercial premises.

### **Features and Benefits**

Solid Surface is made from 935PAHR mixed with Aluminium Tri-Hydrate and polyester chips, using either continuous or batch mixing equipment fitted with a vacuum facility. Whilst it is not essential, optimum processing conditions use vibration on the moulds when the resin mix is being cast.

- Solid Surface is homogeneous throughout so can easily be machined, polished and repaired during production or in service i.e. scratches can be polished out and holes filled and abraded back.
- The use of vacuum and vibration eliminates the introduction of air bubbles and enables the surface to be successfully abraded and polished, if required.
- Inclusion of Poly Stone® chips, allows different aesthetic finishes to be achieved.
- Using ATH as the filler provides translucency to the Solid Surface, imparts fire retardancy and offers resistance to most cleaning chemicals.

### **Approvals**

Fully cured Solid Surface based on Crystic 935PAHR meets the following criteria:

- Tested by FIRA to BS EN438. 1991. (Full certificate available on request)
- Class 1 rating to BS476 Part 7 1987
- Class O rating to BS476 Part 6 1989
- M2 FO rating to the Epiradiateur NFF – 16-101 Test