

Recycled Content Paint Cans

AkzoNobel, RPC, Protech Plastics Containers

Project Objective

In the light of the current concerns regarding environmental sustainability, REGAIN was approached by AkzoNobel to look at producing a material suitable for inclusion in paint cans.



REGAIN Approach

Understanding the need for retention of physical properties was critical to the success of this project and the incorporation of cutting-edge additives to improve physical performance allowed the product to be moulded containing 25% recycled materials. Whilst physical performance was closely monitored, processability for these high output products could not be affected and rheological parameters are closely controlled so the material containing the recycled content runs on very similar cycles to the virgin equivalent.

Results

Working closely with the end users and converters RPC Containers, Oakham and Protech Plastic Containers, we were successful in producing a suitable material and sales of the new cans are expected to top 100,000 units in 2011.

The Dulux logo is written in a bold, blue, sans-serif font.



The REGAIN Polymers Limited logo features the word 'REGAIN' in a large, bold, grey, sans-serif font. The letter 'A' is replaced by a green recycling symbol. Below 'REGAIN', the words 'Polymers Limited' are written in a smaller, grey, sans-serif font.