

# CASE STUDY

**ESCHMANN TEXTURES**  
PORTUGAL UK FRANCE GERMANY TURKEY INDIA

**CUSTOMER:** BEOPLAST BESGEN GmbH (certified CO2-zero plant)  
**PRODUCT:** Audi A3 Cabriolet roof assembly  
**ISSUE:** High gloss  
**SOLUTION:** ESCHMANN Cera-Mat

Achieving low gloss levels and a consistent high quality surface finish in a textured PC/ABS component can be a challenge!

Automotive Injection moulder Beoplast Besgen GmbH were faced with just this problem in series production of a rooftop assembly for the Audi A3 Cabriolet. With the gloss target set at 2.0% Beoplast were realising 'run at rate' gloss values between 2.5% to 3.0% and planned an expensive additional process to paint parts



**By coating the tool surface with Cera-Mat, gloss target levels and a homogeneous, consistent surface finish was achieved directly 'off tool' and the subsequent painting process was eliminated**

A Beoplast spokesperson said "This was a new process for us so after a few teething troubles, mainly training of our employees for tool maintenance, we had the process under control and can now deliver the product directly to our customer. The cost savings are enormous, especially considering reduced scrap rates and additional logistics savings"

**ESTIMATED COST SAVING across a planned production life of 100,000 parts was approximately ONE MILLION EUROS!!**

Cera-Mat is a unique, ceramic based specialist coating from Eschmann Textures designed to reduce gloss levels and improve the aesthetic appearance of moulded parts in a range of challenging thermoplastics. Applied directly to the tool surface and cured under closely controlled conditions as a 'one off' process Cera-Mat does not affect the integrity of the textured surface.

**For more information please contact your local Eschmann Textures facility or, in the first instance, our head office at...**



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