



SUCCESS STORY

P-MIX 100

INDUSTRY

Manufacture of polyurethane, epoxy and advanced hybrid polymers for prototyping and modelling purposes.

WHAT FOR

To simplify the mixing of lightweight glass spheres, into his Polyurethane formulation.

APPLICATION

Having air free mixing of fast reaction Polyurethane elastomers as well as formulating materials for pre-production tests.

SOLUTION

DOSIS' parent company, 2KM UK, asked us to provide a planetary mixer to solve a complex problem for one of the UK's most innovative urethane formulators.

The client wanted to simplify the mixing of lightweight glass spheres, into his Polyurethane formulation.

FIRST TEST : A percentage of glass was added to the Polyol and Iso along with some pigments. Each component was put into the mixer and ran for 70 seconds.

We noticed that some beads were clumping up the cup and detaching from the mixture, therefore we had to mix a little longer. The final result was satisfying and complying with the demand.

FINAL TEST : Mix together the two mixtures previously prepared, inside one container and see if the two viscous materials could now mix into one homogenous air free state.

We are pleased to say that the challenge was successfully achieved!



www.dosis-uk.com



sales@dosis-uk.com