

GORAPUR®
RELEASE AGENTS BY EVONIK

IMPROVING SURFACE APPEARANCE AND REDUCING ON SITE VOC'S IN AUTOMOTIVE MOLDED FOAM



An established Polyurethanes System House approached Evonik's local GORAPUR® technical team for their help to support a customer who was struggling to achieve the desired high-quality surface on their molded foam cushions.

INVESTIGATION

After studying their production process and conducting detailed discussions with the potential customer, our team realized the customer needed a release agent that offered a more sophisticated stabilizer package.

DIAGNOSIS

Evonik's extensive portfolio includes several release agents specifically formulated to solve this kind of issue. The local technical service team and our global development team discussed which grade would best suit this particular plant to deliver the desired performance.

SOLUTION

A sample of the selected release agent grade was provided to the molder and a dedicated visit was arranged to carry out a small-scale trial using Evonik's portable spraying

equipment. The results were excellent, with a good surface finish achieved on even the most difficult parts. The customer proceeded to a full-scale production run.

OUTCOME

- Excellent surface finish on all parts
- Reduction in release agent usage rate giving cost savings
- Reduction in scrap
- Easier demolding, making production more efficient
- Reduced VOC emissions giving an environmental benefit

Not only did our team solve the technical problem by improving the quality, by switching to an Evonik Release Agent, the customer was also able to significantly reduce scrap rates and consumption.

- **50% reduction in scrap**
- **Improved surface finish**
- **Reduced VOC's**

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