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DEUTERON ES 222

Air release agent for unsaturated polyester systems

/ Chemical Description

Condensation product based on C14- to C18-fatty acids and polyfunctional amine with increased content of fatty acid-amid

/ Physical Data

Appearance	yellow clear liquid
Viscosity	60 to 140 mPa·s
Specific Weight	approx. 0,90 g/cm ³
Non-volatile Content	approx. 52 %
Flash Point	above 62 °C
Odor	like amine and aromatic hydrocarbons



/ Properties

Deuteron ES 222 is a surface active additive. Its presence in a mixture of unsaturated polyester resin/reactive-solvent (styrene) helps in removing air-bubbles. This applies in particular after mixing resin and curing agent. Technologically useful is the improved wetting of the substrate, thus making it easier to release air bubbles from the substrate's surface.

/ Application

Because of the above mentioned properties Deuteron ES 222 is an effective wetting and air release agent in particular for laminating resins based on unsaturated polyester. The product is very suitable in laminating resins where excellent adhesion of polyester resins and glass fiber is required. Deuteron ES 222 is also very suitable as an air release agent in other systems based on unsaturated polyester resins.

/ Dosage

Initially an addition of 0,2 - 0,4 % (calculated on solution of polyester resin) is recommended. It has to be checked for each individual case if an increased dosage provides better results.

/ Processing

Deuteron ES 222 can be added either by the resin producer or by the user of the resin immediately before adding the curing agent. Stirring conditions should avoid formation of air bubbles.

/ Storage conditions

Deuteron ES 222 can be stored in its original tightly closed containers for at least 24 months at room temperature.

/ Package Sizes

Sheet steel hobcock UniGrip (25 kg net)

/ Safety Regulations

According to Regulation Deuteron ES 222 is classified as a dangerous product and therefore needs to be labeled. For more information please consult the safety data sheet.

/ Deuteron: First-class products for the coatings industry

Deuteron GmbH has 30 years of experience in the production and sales of additives including: matting agents, conductivity agents and UV initiators. In the course of our company's 30-year history, we have become an important partner for the paint, lacquer and coatings industry – we operate nationally and internationally and are represented all over the globe. We serve you with

the dependability and close business relationship that only an owner-operated, medium-sized company can offer – and we also have the expertise of a global provider. Get in touch with us! We are happy to be of assistance and to help find individual solutions for your needs.



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/ Air Release Agents and Defoamers from our portfolio

Deuteron 201 E
Deuteron ES 222
Deuteron ES 224

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