

New Dow AIRSTONE™ 79 Adhesives Series

The Dow Chemical Company

Dow Formulated Systems, a global business unit of The Dow Chemical Company (Dow), launches its new AIRSTONE® 79 Adhesives Series, a step change for wind blade manufacturers.

The new AIRSTONE® 79 Adhesives Series is a two component epoxy system comprising a resin and a hardener with individual low viscosities that make them optimal for automation in wind rotor blade manufacturing. Wind blade manufacturers using the new AIRSTONE 79 Adhesives Series can significantly accelerate the speed of application and thus reduce fabrication cycle time, while maintaining the well established mechanical properties of the known Dow AIRSTONE Adhesive systems.

In fact, the two components of the new AIRSTONE® 79 Adhesives Series are characterized by initial low viscosities (50 mm) in vertical position, similar to conventional adhesives for wind rotor blades.

Low viscosity also significantly reduces the quantity of air usually entrapped during the blade manufacturing process, further considerably reducing the risk of future blade cracking.

Tests also show that such low viscosity eases the feeding strategy to the pump â€" through pressure vessels instead of excentric pumps â€" significantly simplifying the refilling of the dispensing units, and eliminating the change of drums during the application.

Dow Formulated Systems is further disclosing its 2010 Customer Innovation Path announcing these days the new AIRSTONE® Latent Mold Building System, aimed at helping wind blade manufacturers enhance their wind blade quality while simplifying and speeding-up production processes.

The Dow AIRSTONE® Systems for Wind Energy comprise a variety of products and solutions based on verified technology and innovative chemistry with characteristics and performance that make them ideal for use in the fabrication of wind blade. More at www.dowairstone.com [1].

About Dow Formulated Systems

Dow Formulated Systems, a global business unit of The Dow Chemical Company (Dow) is a global industry leader in the development and formulation of fully-formulated polyurethane and epoxy systems, focused on providing its customers worldwide with innovative tailor-made solutions through its Energy Efficiency, Alternative Energy & Composites, Infrastructure Life Preservation, Leisure & Lifestyle and Industrial Castings and Adhesives businesses. Dow Formulated

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Systems manufactures and markets custom formulated rigid and semi-rigid, flexible, integral skin, and microcellular polyurethane foams and fully-formulated systems as well as coatings, adhesives, sealants, elastomers and binders used in applications ranging from residential and commercial construction, infrastructure repair, wind energy solutions, oil and gas, automotive, appliance, furniture, and shoe soles to decorative molding and athletic equipment. Striving to meet the specific needs of its customers in their local geographic regions, Dow Formulated Systems operates a global network of 30 system houses.

About Dow

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[2]

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