

easy-wet™ substrate wetting agents

a new generation of silicone-free substrate wetting agents

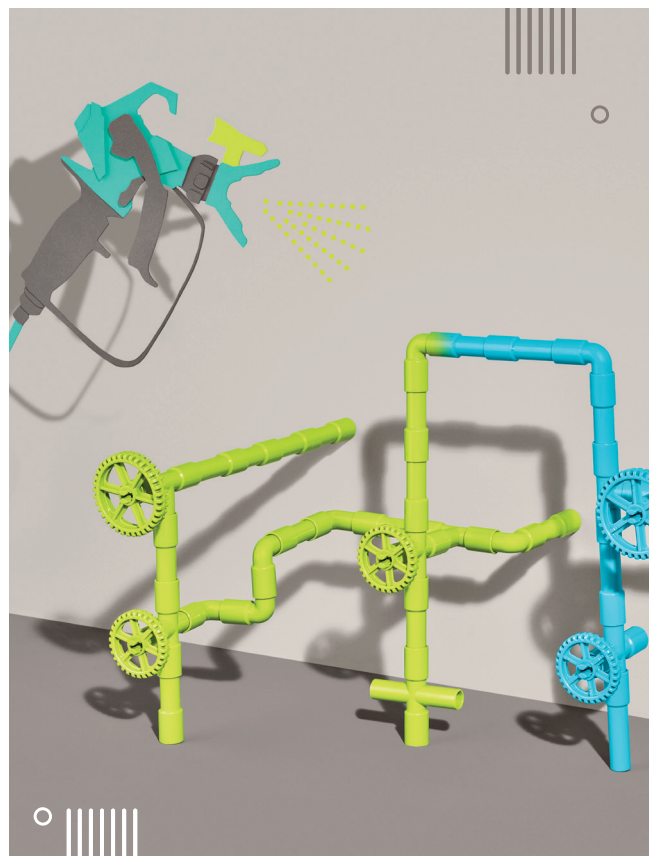
description

As a part of Ashland's super wetter platform, new easy-wet™ substrate wetting agents are a breakthrough technology designed to create defect-free film. They deliver key functional attributes such as excellent substrate wetting and very low foam stabilization, resulting in no cratering. Easy-wet™ substrate wetting agents give formulators precise control over the composition with the ability to easily adjust ratios.

As high-performing wetting agents, easy-wet™ is used in a large variety of industrial coatings applications, including wood, metal, automotive, general industrial finishes, printing inks, and plastic coatings. The portfolio is available in "200", "210", "300" grades, all of which are silicone-free and promote sustainability. Notably, easy-wet™ 300 grade is biodegradable, and has extremely low level of VOCs.

key features and benefits

- silicone-free
- biodegradable*
- excellent substrate wetting
- defect-free film: no cratering
- low foam stabilization
- low VOC level*

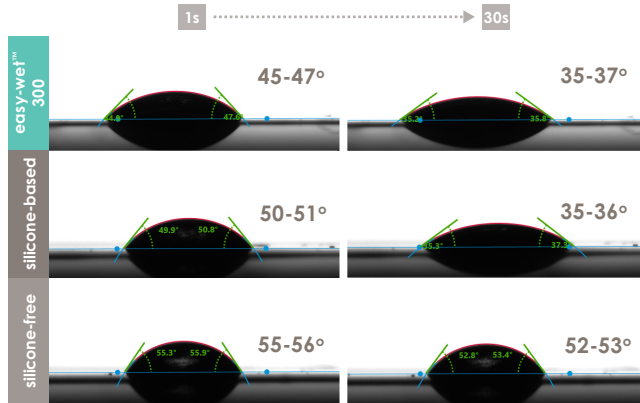


application

- industrial wood coatings
- general industrial coatings
- automotive OEM & repair coatings
- plastic coatings
- coil coatings

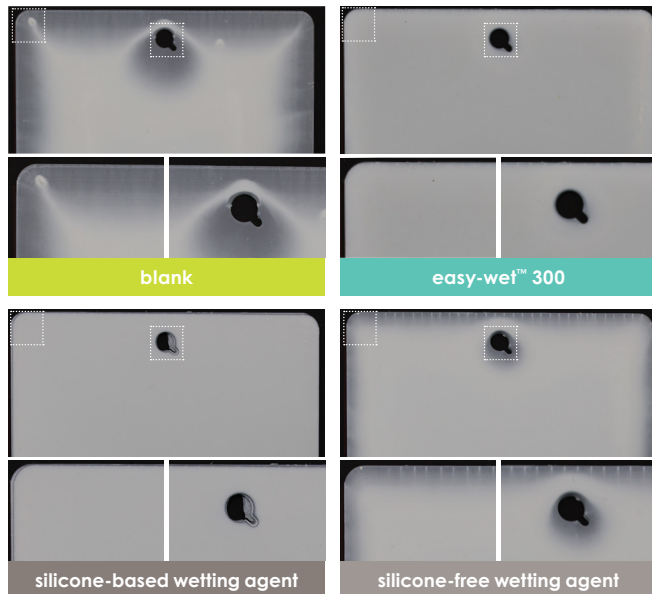
excellent substrate wetting - contact angle

The water solution containing easy-wet™ 300 at 0.1% shows faster reduction of contact angle at the critical initial drying phase, resulting in overall equal to better performance than silicone-based wetting agents on PP substrate.



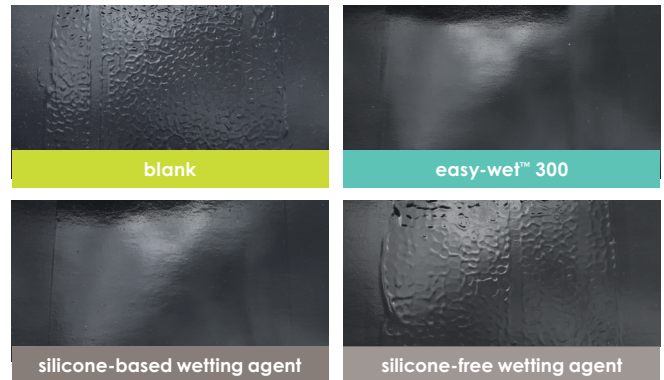
excellent substrate wetting - metal coating

After spraying, the picture framing problem was visibly best solved following the application of easy-wet™ 300, comparing with silicone-based wetting agents and outperforming silicone-free wetting agents.



excellent substrate wetting - wood coating

Easy-wet™ 300 performs significantly better on the substrate wetting.

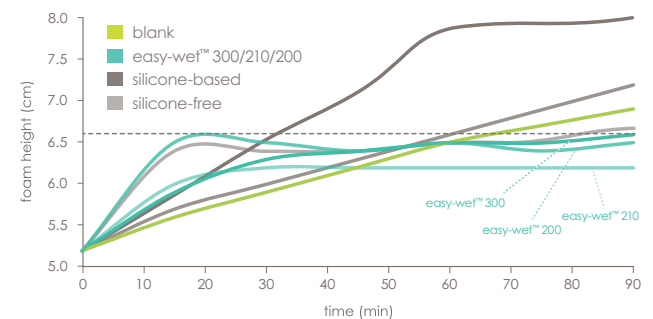


anti-cratering - wood coating



low foam stabilization - wood coating

A study on foaming showed easy-wet™ grades have the lowest foam behavior, even lower than the blank.



product features



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° Has attained a sufficient level of biodegradation that meets the requirements for 'ready' or 'inherent' according to OECD or related methods such as, 301, 302, or 306. Or product has been assessed as being biodegradable based on a read-across to a chemical with similar structure or the product components have been analyzed for biodegradation potential.

* ASTM D6886 Standard Test Method

