



# DECOVERY™

Urathix® AT231 Q-80

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### Next generation resins for decorative paints

With DECOVERY™, we've explored new ways to meet tighter environmental standards. As a pioneer in low VOC solvent solutions, we invite you to discover our new technological breakthroughs, the thixotropic air drying hybrane resins Urathix® AT231 and Urathix® AT232, which are part of the DECOVERY™ family. Building on DSM's new, patented technology platform, these resins greatly increase the formulation freedom for both exterior and interior trim paints. Urathix® AT231 and Urathix® AT232 are delivered at 80% solid content in de-aromatised hydrocarbon D-40.

Uralac HS230 Q-90	100%	60%
Urathix AT232 Q-80	-	40%
Appearance paint	Liquid	Non-drip solid thix
VOC (gram/liter)	247	284
High shear viscosity 10.000 <sup>-1</sup> s (dPa.s)	5	5
Gloss 60°	88	92
Sagging (microns)	75	>300

Table 1: Comparison of Uralac® HS230 with a mixture of Uralac® HS230 and Urathix® AT232



### Non drip thixotropic paint

Figure 1: By using a combination of the high gel-strength thixotropic resin Urathix® AT232 together with the base resin Uralac® HS230, highly thixotropic paint formulations can be achieved. At application viscosity they are easy to apply, while in the can they are very structured; when undisturbed one could cut out a cube of paint.

### Seek out new performance standards

These two thixotropic resins are uniquely designed to help you reach the performance challenges for compliant topcoats. Going beyond the current performance standards of compliant high solids topcoat solutions, the Urathix® AT231 and Urathix® AT232 make it easy to formulate highly structured/thixotropic or non-drip paint formulations. With 80% solid content, these resins give you great flexibility in your formulations, while retaining excellent drying characteristics and not compromising on hardness development.

### Reaching current VOC limits is not enough

The DECOVERY™ product range focuses on creating a long-term sustainable advantage for our customers. The Urathix® AT231 and AT232 enable you to formulate well below the industry standard of 300 g/liter VOC content for trim paints. The new level of performance does not end here for the new patented Uralac® range; we will continue to innovate with future market needs in mind, going beyond legislative requirements.

### Don't let technology limit your true potential

Our aim is to develop market driven solutions based on performance, not just technology. The Urathix® AT231 and AT232 differentiate in the topcoat market with high performance properties such as formulation freedom for thixotropic behavior, good drying and hardness development.

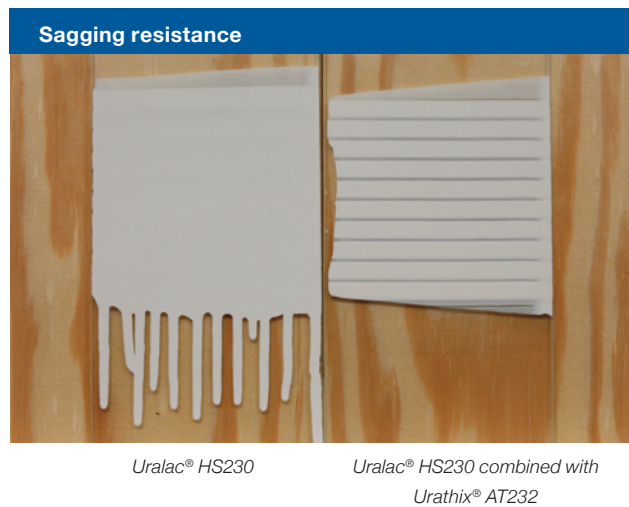


Figure 2: When applying thick layers of paint, the tendency to sag can be greatly reduced by using either the medium gel-strength thixotropic resin Urathix® AT231 on its own, or the Uralac® HS230 combined with the high gel-strength thixotropic resin Urathix® AT232.

Discover what's beyond...and start formulating: just download the product documentation from [www.dsmneoresins.com](http://www.dsmneoresins.com)

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