Expanding the possibilities of spray foam insulation

"Time is money." Few industries understand that better than construction, where the need to build and/or refurbish structures quickly and efficiently leaves little room to stand around and wait.

PAPI™ 17 Polymeric MDI – the most recent addition to our lineup of liquid polymethylene polyphenylisocyanates – is designed with the needs of spray foam insulation professionals in mind:

- **Excellent compatibility/ease of formulation** – In addition to complementing our existing family of polymeric MDI products, PAPI™ 17 is fully compatible with Dow polyols as well as a wide range of additives.
- **Low acid, faster application** – With a low acid spec of 150 ppm maximum and average functionality of 2.7, this low viscosity isocyanate creates faster, more optimized reactions with polyols, quickly expanding into every nook and crevice with little or no dripping. Equally important, the same properties that deliver rapid results also help eliminate the need to wait before applying additional layers.
- **Strong results** – Insulation produced with PAPI™ 17 typically dries quickly into a very light brown, rigid foam with excellent thermal insulation performance. In addition to providing an exceptional air barrier, it's extremely energy efficient – helping consumers and businesses conserve energy and potentially lower associated costs. As an added bonus, PAPI™ 17 Polymeric MDI-based insulation also offers good acoustic insulation performance.

PAPI™ 17 Polymeric MDI offers the spray foam insulation industry a potent, value-added tool that helps move from setup to "job well done" quickly and with confidence. Please contact your Dow representative or visit us online at dow.com to learn more about how PAPI™ 17 and our full line of solutions can help meet your insulation challenges.

Uses/Applications	Benefits
• Spray foam insulation formulations for commercial/ residential building applications, including: - Walls - Ceilings - Flooring	• Low-acid formulation • Fast application - Almost instant reactivity with compatible polyols - Reduced dripping - No waiting between layers • Excellent thermal insulation performance • Good acoustic insulation performance

Table 1: Typical PAPI™ 17 Polymeric MDI properties

Attribute	Units	Value(s)	Test method
Appearance	–	Dark brown liquid	DOW method
NCO content	%	30.9-32.1	ASTM D5155
Viscosity	mPa.s	125-220	ASTM D4889
Acidity, as HCl	ppm	<150	DOW method
Specific gravity at 25°C	–	1.2	ASTM D6669

These are typical properties, not to be construed as specifications.

For more information about Dow, visit **www.dow.com/about**. To contact a Dow representative, visit, **www.dow.com/contact**.

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