



PFLAUMER

TERACHEM[®] MOLECULAR SIEVE PASTE

SOLVENT-FREE MOISTURE SCAVENGER FOR
POLYURETHANES AND POLYASPARTICS

THERE'S ALWAYS MORE TO SEE FROM PFLAUMER



Eliminate Powder in Your Facility

Superior Grade Sieve

Higher Degree of
Moisture Adsorption

Anti-Settling Dispersion

Prevention of Hard Packing

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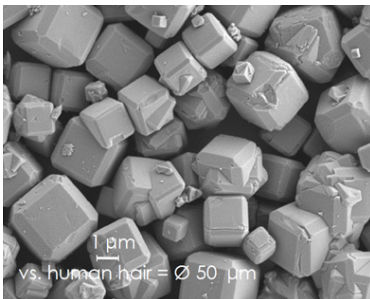


TERACHEM[®] MOLECULAR SIEVE PASTE



TERACHEM[®] 60-7003 TERACHEM[®] 60-7006 TERACHEM[®] 60-7009

Terachem[®] 60-7003, Terachem[®] 60-7006 and Terachem[®] 60-7009 are highly effective moisture scavengers for urethane and aspartic systems. The product has a high adsorption capacity and is efficient even at very low moisture levels. Moisture content in polyurethanes can result in entrapped air that, when released, can cause bubbles, pinholes, blisters, and other film surface defects. In polyaspartics, even a very low content of moisture can affect the isocyanate-amine reaction, causing poor film formation and surface defects. The formulated synthetic crystalline metal aluminosilicates provide a high surface area with uniform pore diameters, and water is adsorbed preferentially to other compounds in the coating formulation. Viscosity instability, gassing, gelation, and other problems are minimized using either Terachem[®] 60-7003, Terachem[®] 60-7006 or Terachem[®] 60-7009 molecular sieve paste.



Microscopic view of the molecular sieve

Terachem[®] 60-7003 is a 50% dispersion of molecular sieve in castor oil, Terachem[®] 60-7006 is a 50% dispersion of molecular sieve in a polyether polyol, and Terachem[®] 60-7009 a 50% dispersion of molecular sieve in a Teraspartic Resin, all three act as a moisture scavenger for formulations of polyurethane and polyaspartic coatings systems. The molecular sieve is a zeolite A type that is compatible in urethanes and aspartic systems. The zeolite is described as potassium calcium sodium aluminosilicate with a pore opening of 3Å, a size that is typically used as a moisture scavenger in urethanes. Selecting polyether polyol over castor oil is motivated by the pursuit of a superior, lower color carrier within systems that demand elevated standards of quality in urethane systems. Using the aspartic carrier can add aspartic features to urethane systems or maintain purity of 100% aspartic systems.

At Pflaumer, we harness the power of A-type zeolite with a precise 3 Angstrom pore opening size, combined with specialized technology for suspension to deliver a worry-free solution for your moisture scavenging needs. This carefully crafted formula delivers the pinnacle of sieve quality, meticulously designed for optimal moisture adsorption. Choose excellence with Pflaumer.