

## New technology for protective coatings and foam systems

Superskin Systems has developed a new technology for producing polyurea on both the A-side and the B-side. Utilising special MDI and HDI prepolymer technology as well as epoxy-modified amine resins, it can be used to make primary amines into secondary amines to control reactivity up to 15 min or as fast as 10 s, says the company. According to Superskin Systems, the technology controls the reactivity not the polyurea as in conventional systems.

Furthermore, the epoxy-modified polyurea can be used on concrete without the use of primers. These new amines and prepolymers may also be used to make polyurethanes when mixed with polyols. The MDI prepolymers can also be used to make flexible open cell foams for seating or carpet backing. A leading Asian automotive OEM is currently evaluating the technology.

The company also brings to the market a new rigid foam technology with good fire performance and low smoke and flame spread. For additional fire performance a new breed of coating is also available that does not burn or smoke and can be moulded or sprayed. This technology comprises of an organic and inorganic liquid system. The applications for this technology include blast, storm, and ballistic protection, fire proofing, both open and closed cell insulation foams.

Superskin Systems has been in business for nearly three years. Its chief chemist Stuart B. Smith has long-standing experience in the industry has had over 70 patents issued to him. Representatives from the company will be attending the CPI Polyurethanes 2010 Technical Conference.

**Adresse:**  
<http://www.gupta-verlag.com/polyurethanes/news/technology/8409/new-technology-for-protective-coatings-and-foam-systems>