



## Case Study of Desmodur® ultra: New Hardener for Auto OEM Plastic Coating

Collaboration with Hunan Xiangjiang Kansai Paint to improve industrial hygiene standard for automotive painting process

**Desmodur® ultra**



## Technical Cooperation based on Desmodur® ultra

With the accelerated upgrading of China's manufacturing industry, environmental protection and industrial hygiene in industrial production have drawn more and more attention. Driven by increasingly-rigorous environmental policies and industrial hygiene concepts, China's automotive coating industry is pursuing sustainable development of low pollution, low VOC and low energy consumption while continuously improving the performance of the coating system.

Hunan Xiangjiang Kansai Paint is a leading enterprise in China's automotive coating market. Through close cooperation with Covestro, innovative auto plastic coating solutions are jointly developed to further enhance protection and safety standards of plastic parts in spraying process. At present, the project has achieved commercialization and laid a solid foundation for the environmental upgrading of auto OEM coating market in the future.

### Improve industrial hygiene standard

As a low viscosity hardener, Desmodur® ultra N3690 is a new product of Covestro under the umbrella of Ultra product line. It reduces the content of isocyanate monomer in the paint to a very low level, and decreases the free monomer content from 0.5% of the products currently to below 0.1% by supply form, further improving the industrial hygiene for operators. It can also meet customers' requirements for the performance of coatings.

"The automotive coating using Desmodur® ultra as hardener has passed all laboratory tests and mass production for six months. The product could provide outstanding performance in appearance, chemical resistance as well as weather resistance and it is fully in line with performance requirements of automotive coating industry", said Liu Shixi, Director of Hunan Xiangjiang Kansai Paint.

"We work closely with our customers to enhance the industrial hygiene standard for automotive coating process and to achieve better environmental performance. Desmodur® ultra N3690 can easily replace the hardener in existing coating formula to meet performance requirements of original paint for the automotive. The product is local produced and supplied." Li Fang, Desmodur® Ultra Product Project Manager of Covestro.



**Coatings Supplier:** Hunan Xiangjiang Kansai Paint

**Coating Raw Material:** Desmodur® ultra

Partner:

**HKP** 湘江関西



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