

Construction of High-Performance Polyurethane Plant Begins at Omuta Works

~Specialty Isocyanate to Bolster Coating and Functional Material Business~

Omuta, Japan - April 16, 2015 - Mitsui Chemicals, Inc. (Tokyo: 4183; President & CEO: Tsutomu Tannowa) held a groundbreaking ceremony for a new plant (2,000t/year) within the Omuta Works (Omuta City, Kyushu) to manufacture its new and advanced polyurethane elastomer, FORTIMO™, and the polyisocyanate, STABiO™. The new plant is scheduled for commercial operation in August 2016.



Groundbreaking Ceremony
at Omuta Works

The Company's special isocyanates FORTIMO™ and STABiO™ are both one-of-a-kind, world firsts. Launched in October 2013, the markets for these two unique materials have seen successful expansion after receiving high marks in customer evaluations.

Mitsui Chemicals will continue to bolster sales and expand applications of these and its other special isocyanates, XDI (meta-xyllylene diisocyanate) and NBDI™ (norbornane diisocyanate), of which Mitsui Chemicals is the world's sole provider, along with its derivative products to create new customer value and strengthen and grow its coating and functional material business.

Name	FORTIMO™	STABiO™
	1,4-H ₆ XDI (1,4-Bis(isocyanatomethyl)cyclohexane) and polyurethane elastomer materials using 1,4-H ₆ XDI	Polyisocyanates of using PDI™ (1,5-Pentamethylene diisocyanate)
Characteristics	<ul style="list-style-type: none"> • High elasticity, high durability, and high heat resistance when compared with current isocyanates • Shorter molding time for polyurethane elastomer (thermoplastic polyurethane , thermosetting polyurethane) • Non-yellowing 	<ul style="list-style-type: none"> • High reactivity when compared with current HDI • Improved chemical resistance of paints and adhesives, scratch resistance, and high gloss • Non-yellowing • Contains 70% biomass
Main applications	Automotive elastomeric materials, garment material using elastic fibers, medical tubing , high durability industrial materials, etc.	Automotive paints, plastic paints, adhesives, etc.