#### New HDI-polyisocyanates for various coating formulations toward sustainability

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This presentation will show below three type new HDI-polyisocyanates for various coating formulations toward sustainability.

#### 1. "DURANATE™ Fine TLA-100"

Low viscosity trimer type "TLA-100" is suitable for high-solid, solvent-free formulations or waterborne 2K-polyurethane (WB 2K-PU) formulation in order to reduce VOC content within coatings. Recently, we commercialized "Fine TLA-100" with low monomer content (Residual HDI<0.1wt%) type for European diisocyanate restriction.

# 2. "DURANATE™ WA21-100"

Hydrophilic type "WA21-100" shows excellent coating performance such as film appearance, higher hardness, chemical and abrasion resistance in WB 2K-PU formulation for VOC content reduction also.

## 3. "DURANATE™ X6022 series (Under development)"

Ultra-low temperature curing hydrophilic blocked type "X6022 series (Under development)" is targeted for 30min at 80-90°C in WB 1K-PU formulation like OEM vehicle basecoats. We believe that Asahi Kasei's unique technologies about multi-functional and specialized blocking agent contribute to CO<sub>2</sub> footprint reduction (carbon neutrality) strongly.