



**CASE**

Polyurethane Product Guide

**Barentz.**

Always a better solution.

# Principal Partners

Leading Edge Technology by:



**Barentz.**

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# Product Offering

## ISOCYANATES

- Aromatic MDI Isocyanates
  - Moisture Cured
  - Monomeric
  - Polymeric
  - Polyurea and Specialty Prepolymers
  - Primers, Sealants, and Crosslinkers
  - Pure 4'4
- Aliphatic Isocyanates
  - Aliphatic Polyisocyanates HDI Derivatives
  - Blocked Polyurethane Crosslinkers
  - Cycloaliphatic Polyisocyanate IPDI Derivatives
  - Diisocyanate Monomers (IPDI, H12MDI, TMDI, HDI)
  - Special Isocyanates

## POLYOLS

- Acrylic Polyols
- Bio-Based Polyols
- Polyaspartic Curing Agents
- Polycarbonate Polyols
- Polyester/Polycarbonate Polyol Blends
- Polyester Polyols
- Polyether Polyols
  - Di & Tri Functional Polypropylene Glycol (PPG) Polyols
  - Amine Initiated Polyols
  - Phenol Initiated Polyols
  - Sorbitol & Sucrose Initiated Polyols
- Reactive Absorber Polyol

## AMINES

- Cycloaliphatic Diamines
- Diethyl Toluene Diamine (DEDTA)
- Dimethyl Thio-Toluene Diamine (DMTDA)
- Polyether Amines

## CATALYSTS

- Inorganic Tin
- Organic Tin
- Tin Free
  - Bismuth
  - Metal Acetylacetonates
  - Mixed Metal Blends
  - Zinc

## MOISTURE SCAVENGERS

- Molecular Sieves
- P-Toluenesulfonyl Isocyanate (PTSI)

## COLORANTS & PIGMENTS

- Carbon Black for Tinting
- Chromium Green Oxides
- Corrosion Inhibitive Pigments
  - Calcium / Barium Metaborates
  - Chromates
  - Zinc Phosphates
  - Ion Exchange Silica
- Custom Colorants and Color Matching
- Eco-Friendly Anti-Corrosive Pigments
- Mixed Metal Oxides
- Organic & Effect Pigments
- Titanium Dioxide (TiO<sub>2</sub>)
- Ultramarine Blue
- Pigment Dispersions for Polyurethanes
  - Reactive: (Amine, Polyol, Polyketone, Polyaspartic)
  - Non-Reactive (Acrylic, Plasticizer, Solvent)
- Thermal Insulative properties

## ADDITIVES

- Anti-Microbial
- Antioxidants
- Coalescents
- Deaerators
- Defoamers
- Dispersants
- Fire Retardants
  - Brominated FRs
  - ATH
  - Antimony
  - Melamine
  - Ammonium Polyphosphate (APP)
- Fluorosurfactants
- 2'4 Pentanedione
- Polymer Stabilizers/Antioxidants
- Rheology Control & Anti-Settling
- Silane Adhesion Promotors
- Silane Coupling Agents
- Silane Crosslinkers
- Silicone OH Polymers
- Silicone Surfactants
- Surface Active Agents
- UV Absorbers & Hindered Amine Light Stabilizers (HALS)
- Wetting Agents

## FUNCTIONAL FILLERS

- Cristobalite
- Fumed and Precipitated Silica
- Talc

# CASE Technical Laboratories

## Technical Service, Laboratory Support, & Application Projects

### Technology Support for Customers & Principals

CASE works hand-in-hand with our customer and principal partners to provide outstanding technical support. Our CASE Technical Labs have extensive development and testing capabilities, including raw material selection & optimization, prototype formulation development, application testing, and product quality troubleshooting. Contact CASE today to learn more.



### Laboratories:

- CASE / HI&I Lab – Boca Raton, FL
- Canadian Client Solutions Lab – Oakville, ON

### Starting Point Formulations

- Formulation substitution utilizing Barentz Principals
- Quick turn around
- Great resource for our customers & principals



### New Product or Formulation Development

- Working hand in hand with our customers to develop new products
- Introduction of new technology
- Entrance into a new market with existing technology

### Raw Material Qualification

- Verify product performance
- Raw material screening
- Ladder studies
- Problem solving

### Custom Synthesis and Toll Manufacturing Services

- Development of specialty chemical blends
- Customized and unique/proprietary components
- Management of the complexity of small batch manufacturing and inventory planning
- Particle Size Modification, repacking, and custom labeling
- Technical Assistance

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