



CASE

Polyurethane Product Guide

Barentz.

Always a better solution.

Principal Partners

Leading Edge Technology by:



Barentz.

**BRUNO BOCK
THIOCHEMICALS**

**EVANS
CHEMETICS**



Buckman
Chemistry, connected.

 C.E.D. Process Minerals, Inc.

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MAROONGROUP

chitec

Chromaflo
Technologies
Where Art Meets Technology

CRODA

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POWER TO CREATE

HUNTSMAN
Enriching lives through innovation

innospec

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orion **ENGINEERED
CARBONS**

 **POLYSCOPE**
fresh thinking, great products

REAXIS
Specialty Chemicals for Innovative Solutions

Rianlon

aramco
chemicals


SNCZ
L'ANTICORROSION

 St. Louis Group

synthomer

TOMATEC

VENATOR

ZEOCHEM

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 (DETA)
- 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 (TiO₂)
- 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 Promoters
- 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

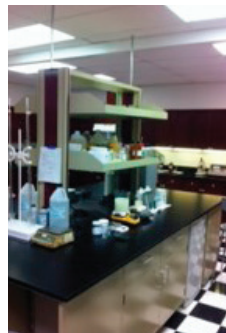
- Working hand in hand with our customers to develop new products
- Introduction of new technology
- Entrance into a new market with existing technology

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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