

Knowledge in action

# Polyurethane

Product catalog



NORDMANN



On pages 2-5 you will find the products listed according to their applications. From pages 7-10, they are listed by function.

	Brand	Supplier	Flexible slabstock	Flexible molded	Rigid foam	Microcellular foam	PU elastomers	PU coatings	PU adhesives / sealants
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### PU Systems

Hot cast systems	Neuthane	Notedome							
Cold cast systems	Neuthane	Notedome							
Ribbon flow systems	Neuthane	Notedome							

### Aromatic Isocyanates

Monomeric & polymeric MDI	Ongronat®	Borsodchem							
NDI		Nordmann							
TDI	Ongronat®	Borsodchem							

### Prepolymers

MDI prepolymers	Neuthane	Notedome							
TDI prepolymers	Neuthane	Notedome							
Aliphatic prepolymers	Neuthane	Notedome							

① see note on § 15a Chemicals Act

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### Polyols

PO/EO polyether polyols	Caradol™	Shell							
Saturated polyester polyols	Elapol®	Elachem							
CO <sub>2</sub> PPC polyols	Converge®	Aramco							
Polycaprolactone polyester polyols	CAPA®	Ingevity							
PTMEG	NORPUR PTMEG	Nordmann							
Alkoxylated polyalcohols	Polyol	Perstorp							
Dentritic polymer polyols	Boltorn™	Perstorp							
Necowel	Polyol	ASK							

### Crosslinkers

MCDEA	Curative 400	Nordmann							
DETDA / DMTDA	Ethacure®	Albemarle							
HQEE	Norcure HQEE	Nordmann							
TMP		Perstorp							
1,4 BDO		Nordmann							

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### Additives

Metal catalysts	REAXIS®	Reaxis							
Amine catalysts	NIAX™	Momentive							
Silicone stabilizers	NIAX®	Momentive							
Color pastes	Moltoprene®, Isopur	ISL-Chemie							
Titanium Dioxide	HOMBITAN® HOMBITEC® SACHTLEBEN® TIOXIDE®	Venator							
Organic Pigments and Dyes	Sudafast, Sudacolor, Sudaperm	Sudarshan							
Pigment carbon black	Norblack	Nordmann							
Effect pigments	Various	Honeywell							
Carbon fibers		Donacarbo							
Ultra-high molecular polyethylene powder (UHMW-PE)		Inhance							
Pyrogenic silica	HDK®	Wacker Chemie AG							
Rheological additives	Various	Elementis							

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### Flame retardants

#### Phosphorous compounds

Resorcinol bis(diphenyl phosphate)	NORD-MIN	Nordmann							
Bisphenol A bis(diphenyl phosphate)	NORD-MIN	Nordmann							

#### Nitrogen compounds

Melamine	NORD-MIN	Nordmann							
Melamine cyanurate	NORD-MIN	Nordmann							

#### Phosphorus/ Nitrogen Compounds

Ammonium polyphosphate	NORD-MIN	Nordmann							
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#### Expandable graphites

	NORD-MIN	Nordmann							
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#### Antimony compounds

	Nyacol	Nyacol							
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### Processing aids

Release agent	NIX-STIX	Stoner							
Cleaning agent	Neuthane CS	Notedome							

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## Castable polyurethane systems & prepolymers

### Hot cast systems

NEUTHANE 100, 200, 300	Based on TDI/polyether polyol Based on TDI/polyester polyol
NEUTHANE 500	Light and temperature-resistant two-component systems based on aliphatic isocyanates
NEUTHANE 600, 700	Based on TDI/polyether polyol Based on TDI/polyester polyol

### Cold cast systems

NEUTHANE 801, 802, 803	Based on MDI/polyether polyol Based on MDI/polyester polyol
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### Ribbon flow systems

NEUTHANE 3000er series	Polyether and polyester-based systems for ribbon flow applications
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## Aromatic isocyanates

NDI	Naphtalene-1.5-diisocyanate	①
ONGRONAT®	MDI (monomeric and polymeric methylenediphenyl diisocyanate)	①
ONGRONAT®	TDI (Toluene diisocyanate)	

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## Polyols

Alkoxyated polyalcohols	Di- and higher-functional polyols based on TMP, BEPD and PENTA
BOLTORN™	Dendritic polymer polyol
CARADOL™	PO/EO-based polyether polyols, di-, tri-, and higher-functional, molecular weights from 450-6000 g/mol <i>Individual filling in barrels and IBCs optional</i>
CAPA®	Polycaprolactone polyester polyols, difunctional and higher-functional
CONVERGE®	CO <sub>2</sub> -based polypropylene carbonate polyols (PPC)
ELAPOL®	Saturated polyester polyols for CASE and foam applications
NECOWEL	Alkyd emulsions
NORPUR PTMEG	Difunctional C4 polyether polyols (PTMEG)

## Crosslinkers

BDO	1,4-Butanediol
CURATIVE 400 (MCDEA)	4,4-Methylene-bis-(3-chloro-2,6-diethylaniline) ①
ETHACURE® 100 (DETDA)	Diethyltoluenediamine
ETHACURE® 300 (DMTDA)	3,5-dimethylthio-2,4-toluenediamine and 3,5-dimethylthio-2,6-toluenediamine. ①
ETHACURE® 420	N,N-bis[ <i>o</i> -butylamine diphenylmethane]
NORCURE HQEE	Hydroquinone bis(2-hydroxyethyl) ether
TMP	Trimethylolpropane ①

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## Additives

DONACARBO	Chopped and milled carbon fibres for antistatic applications
Effect Pigments	Organic and inorganic fluorescence and afterglow pigments for safety applications
HDK®	Pyrogenic silica for liquid systems and as a free-flow additive in PU powder coatings
HOMBITAN®, HOMBITEC®, SACHTLEBEN®, TIOXIDE®	Titanium dioxide Rutile, sulphate and chloride
INHANCE™	Ultra-high molecular polyethylene powder (UHMW-PE), surface activated with particle sizes between 38 and 250 microns. Improves the dynamic properties, abrasion behavior and friction of PU elastomers and coatings.
ISOPUR, MOLTOPREN®	Polyol (polyether & polyester) based color pastes
MOLTOPREN® S	Reactive polyol (polyether & polyester) based color pastes
NIAX™	Amine-based catalysts
NIAX®	Silicone stabilizers for rigid and flexible foam
NORBLACK	Pigment carbon black for lacquers, paints and printing inks
REAXIS®	Metal catalysts based on tin, zinc and bismuth ①
Rheology additives	Effective flow control and anti-settling agents
Sudafast, Sudacolor, Sudaperm	Organic Pigments and Dyes

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## Flame retardants, fire protection additives & synergists

Halogen-containing and halogen-free additives

Flame retardant masterbatches / synergistic additives / nanoclays / nanoclay masterbatches

For further information, please request our special product catalog of flame retardants, fire protection additives and synergists.

## Processing Aids

NEUTHANE CS

Environmentally friendly, biodegradable cleaning agent

NIX-STIX™

Release agent based on silicone and waxes, solvent-free

# Nordmann Portfolio

Agrochemicals

Adhesives & Sealants

Ceramics

Cleaning

Coatings & Inks

Composites

Construction

Elastomers

Electronics

Fine Chemicals

Flame Retardants

Food & Feed

Foundry

Health Care

Industrial Chemicals

Monomers

Oil, Gas & Lubricants

Oleochemicals

Polyurethane

Optical

Paper

Personal Care

Plastics

Textiles & Leather

All the information and application knowledge presented here is based on practical experience and research. However, it is non-binding information. We therefore strongly recommend that you carry out your own tests before using our products. This applies in particular to our formulations, which only represent a starting point for individual developments and for which we can provide no guarantee.

The user alone is responsible for testing in the respective countries concerned and with regard to possible conflicting industrial property rights of third parties (e.g. patents). In this respect, we assume no liability for formulations or partial recipes. Our products are sold according to our General Conditions of Sale.



Advertising for dangerous substances

*Dangerous substance as per Regulation (EC) No 1272/2008. This substance is classified and assigned in accordance with the requirements of the aforementioned ordinance. For further information on this substance, please refer to the safety data sheet.*

① see note on § 15a Chemicals Act

# Our global network

## Europe

Austria  
Bulgaria  
Czech Republic  
France  
Germany  
Hungary  
Italy  
Sweden  
Poland  
Portugal  
Romania  
Serbia  
Slovakia  
Slovenia  
Spain  
Switzerland  
Turkey  
United Kingdom

## North America

USA, Florida



## Asia

China (rep office)  
India  
Japan  
Singapore  
South Korea

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