

# EXXELOR Y PAREX

Modifiers for Technical Polymers Extrudable adhesive resins

We add  
know how to  
compounds.

THE  
COMPOUND  
COMPANY

• [www.thecompoundcompany.com](http://www.thecompoundcompany.com)



## Overview

Key facts TCC

- Introduction of The Compound Company

Product Information

- Yparex and Exxelor products

Manufacturing site

- Background information on production site

Grade Slate

- Yparex and Exxelor product overview

Key Applications

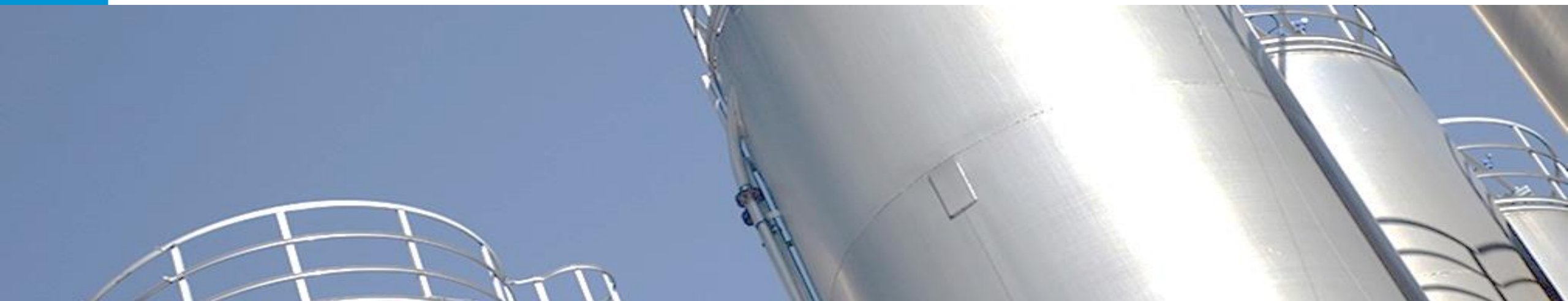
- What are the key applications of Yparex and Exxelor polymer resins?



# The Compound Company History

## *Chronological overview*

- 1983 Foundation **Hartmann Compounding** (garden furniture)
- 2011 Spin-off **Yparex** from DSM
- 2016 Joint venture **Resindo**, Indonesia
- 2017 Foundation of the **The Compound Company** (Resin + Yparex)
- 2018 TCC acquires **Transmare Compounding**, Roermond
- 2019 New production facility in Enschede
- 2022 Acquisition of **CMP Business (Exxelor)**





# Sustainability is key @ The Compound Company

- ISCC+ certified company
- ISCC+ tie resins
- EcoVadis gold medal
- Broad range of compatibilizers





## Enschede, NL

6 production lines, including grafting capabilities on 2 production sites



## Roermond, NL

7 production lines



## Cologne, DE

2 production lines with grafting capabilities

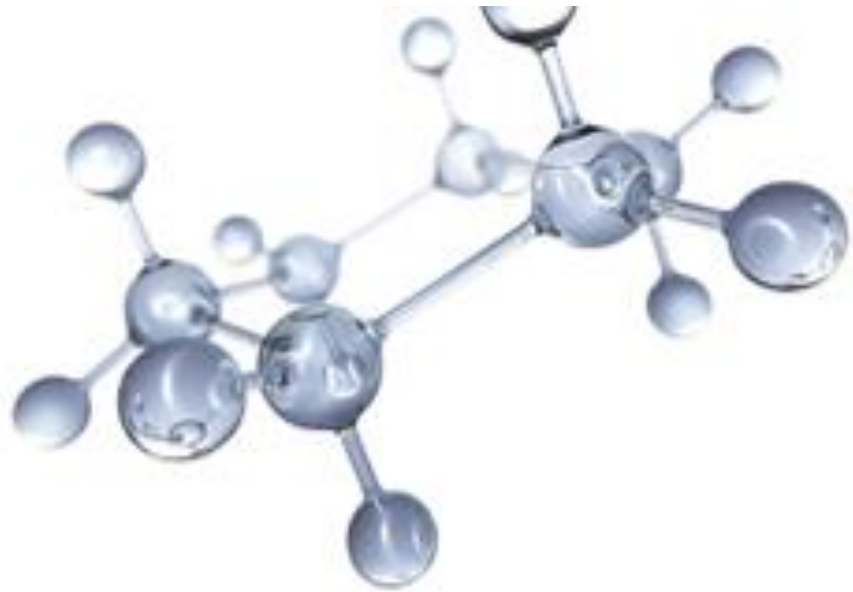


## Jakarta, ID

2 production lines, including reactive extrusion



- approx. 130 employees
- core business is grafting
- worldwide availability of products
- strong cooperation with agents and distributors
- excellent technical support



Exxelor insights



# Exxelor manufacturing information

## *CMP Manufacturing GmbH, DE*

- Produced at manufacturing plant in Cologne (DE) since 1986
  - 7 commercial grades
- Based on >25 years research in polymer reactive extrusion
  - Free radical generation with peroxide
  - Maleic Anhydride grafting
- Excellent safety, quality & reliability performance
- Supplying global market





# Exxelor key features

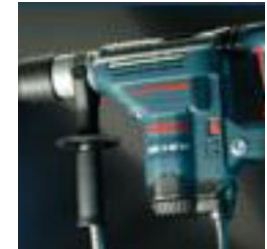
## Impact Modification

- Improve the overall toughness of polymers
- Enhanced ductility in blends at low temperatures (down to -40°C)
- Polyamide, Polyester, Polycarbonate modification



## Compatibilizers

- Act as a solid surfactant
- Increase interphase adhesion and achieve compatibility between most polymers with different polarities (e.g. PA/PP blends)



## Coupling agents

- Promote chemical bonding between fillers, reinforcements such as glass fiber and the polymer matrix



## Adhesion promoters

- Enhance adhesion to materials such as metal, thermoset rubbers and most polar substrates







# Exxelor portfolio

- Exxelor VA Grades**

	Backbone	Grafting Level FTIR EPK-04 QT-02	MFR (g/10 min) ASTM D1238	Low Temp. Capability
<b>VA 1801</b>	EPDM	High (0.5-1.0%)	9 (10kg, 230°C)	Medium
<b>VA 1902</b>	EPDM	High (0.5-1.0%)	27 (10kg, 230°C)	High
<b>VA 1803</b>	EPDM	High (0.5-1.0%)	22 (10kg, 230°C)	High
<b>VA 1840</b>	Plastomer	Medium (~0.35%)	8 (5kg, 230°C)	Medium
<b>VA 1202</b>	Plastomer	High (0.5-1.0%)	18 (5kg, 230°C)	Room Temp.

- Exxelor PO and PE Grades**

Grade	Backbone	Grafting Level FTIR EPK-04 QT-02	MFR (g/10 min) ASTM D1238
<b>PO 1015</b>	PP (copo)	Medium (~0.45%)	22 (1.2kg, 190°C)
<b>PO 1020</b>	PP (homo)	High (0.5-1.0%)	110 (1.2kg, 190°C)
<b>PE 1040</b>	HDPE	High (0.5-1.0%)	1.4 (2.16kg, 190°C)

