





# Where are PUD's used?





















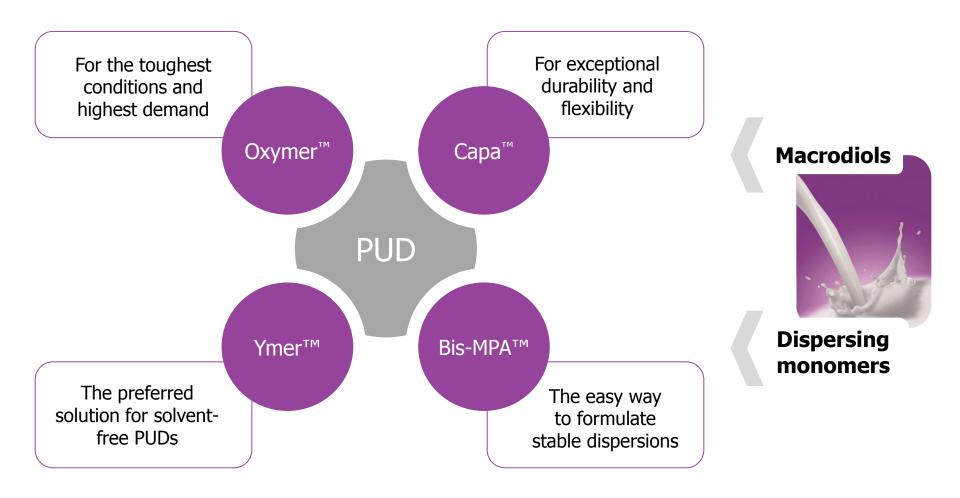
## Polyurethane dispersions - Limitless formulation freedom

- Extremely versatile, high performing coating systems
- Enables customization such as durability, hardness and flexibility
- → Low environmental impact due to low VOC content and dispersion in water





## Perstorp's product range for PUDs





#### Oxymer<sup>™</sup> HD



#### **Benefits**

- Polycarbonate diols
- For demanding applications
- Excellent outdoor and UV resistance
- Chemical and hydrolytical resistance
- Available in different molecular weights
- Excellent strength and flexibility



For the most demanding applications and toughest conditions



## **Capa™ Polycaprolactones**



#### **Benefits**

- Very high flexibility even at low temp
- Good hydrolytic stability
- Ease of processing and low viscosity
- Abrasion resistance
- Improved impact resistance
- For leather that lasts and look good



Ideal for tailor-made solutions with unique properties

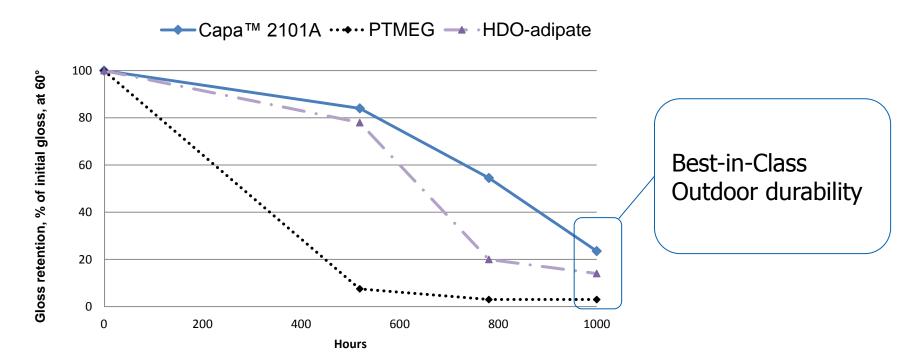


## Capa<sup>™</sup> - highest gloss retention



#### **Accelerated weathering**

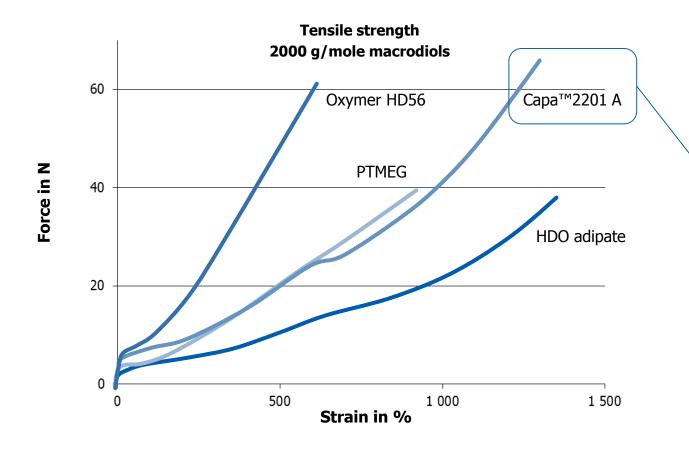
QUV-B on crosslinked PUDs 1000 g/mole macrodiols





## Capa<sup>™</sup> - 1300 % elongation





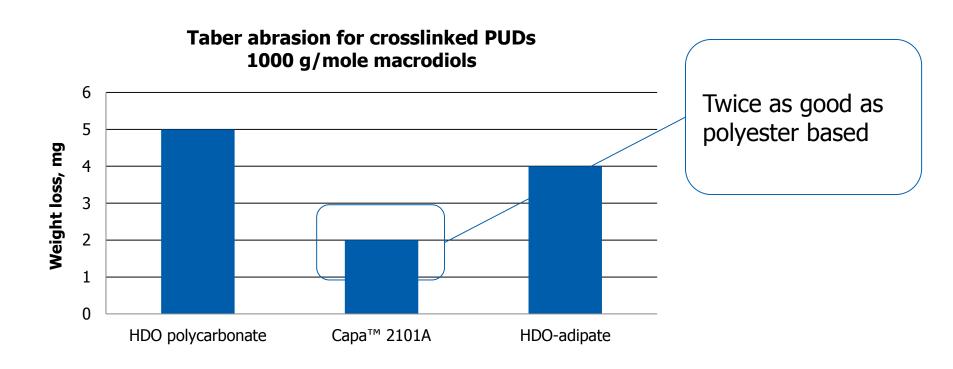
Combines good tensile strength with high flexibility



# **Capa™ for long lasting coatings**



Capa<sup>™</sup> provides superior abrasion resistance





#### Ymer™ N120

#### **Benefits**

- pH and salt stability
- Increased freeze/thaw stability
- Solvent resistance
- Flexibility
- Enables solvent free PUDs



A nonionic dispersing monomer for no/low solvent PUDs



#### **Bis-MPA**<sup>TM</sup>

# Oxymer" Capa" PUD Ymer Bis-MPA

#### **Benefits**

- Easy to formulate stable dispersions
- → Low amounts needed in formulations
- Low water sensitivity
- Very low toxicity



The key raw material for anionic polyurethane dispersions



#### Your polyurethane partner

- Perstorp offers reliability and technical knowledge
- Broad portfolio of products for durable, high performing and environmentally friendly solvent free PUDs
- Wide range of products for fine-tuning properties and end application performance

