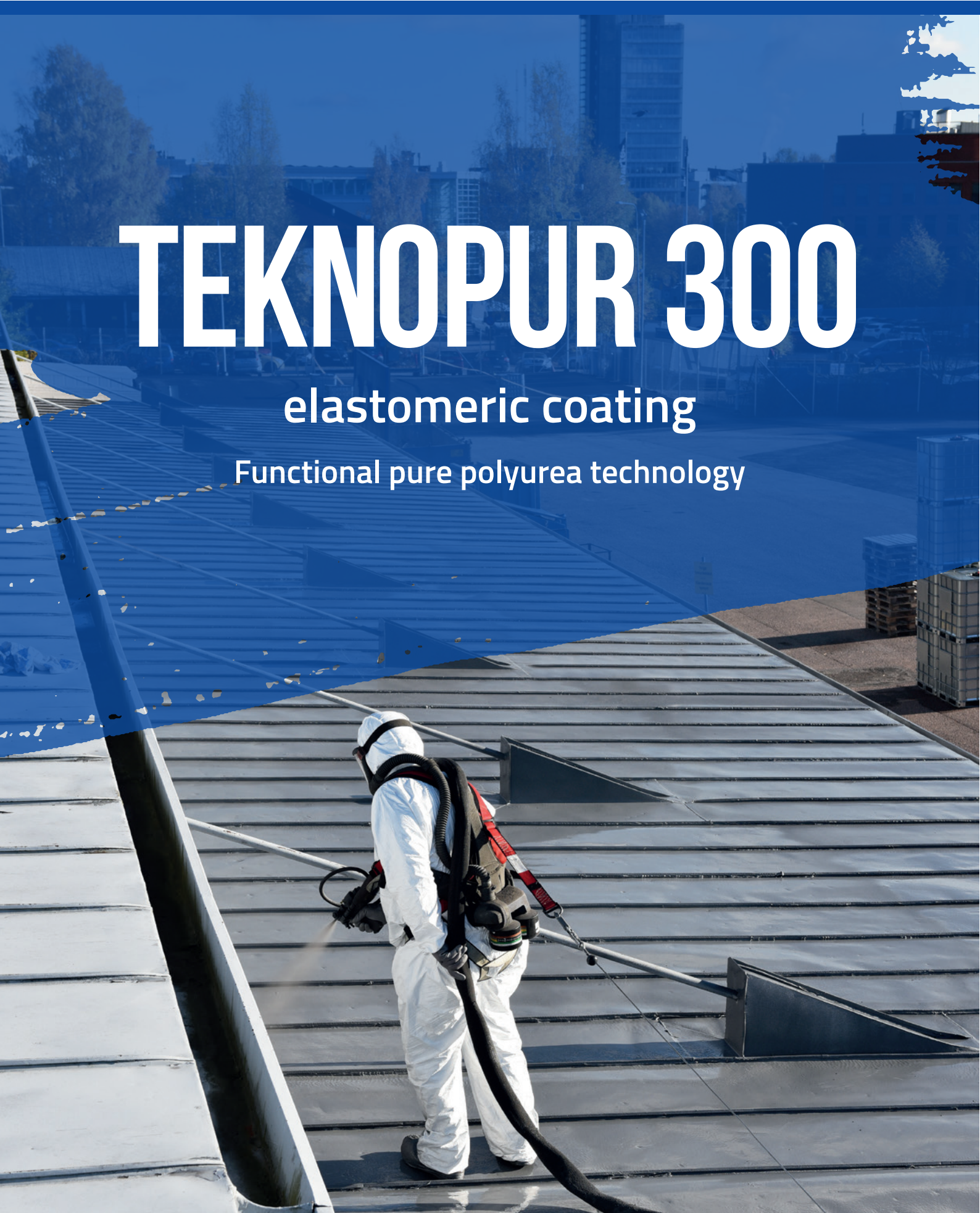


TEKNOPUR 300

elastomeric coating

Functional pure polyurea technology





TRADITIONAL EPOXY COATING AND TEKNOPUR 300
AFTER IMPACT RESISTANCE TEST AT -20°C.

SURFACE PROPERTIES BEYOND COMPARISON

TEKNOPUR 300 elastomeric coating Functional pure polyurea technology

EXTREMELY FAST CURING

Polyurea is a technology where an extremely tolerant and fast-setting coating is created by adjusting properties of two reactive components. Curing takes place within seconds rather than minutes.

ONE OF THE MOST RESISTANT COATINGS IN THE WORLD

Due to its toughness and elasticity, TEKNOPUR 300 withstands high abrasion, impacts and extreme mechanical loads. It also creates a seamless waterproof film that gives matchless protection to the surface beneath the coating. TEKNOPUR 300 is highly resistant to corrosion and chemicals.

When it comes to operational temperatures, TEKNOPUR 300 offers a wide temperature area. Typical usage temperatures are from 40 degrees below zero up to +150 degrees C.

ENVIRONMENTALLY FRIENDLY

Solvent-free TEKNOPUR 300 emits no volatile organic compounds and therefore it is an environmentally friendly choice as well.

Extremely fast curing – curing within seconds

- Fast and efficient coating process
- Walkable within less than a minute

CURING PROPERTIES

Tack-free	12 sec
Walk-over time	40 sec
Fully cured	24 hours
Immersion tolerant	1-3 days

Suitable for immersion and waterproofing

- Excellent adhesion to metal and concrete
- Seamless waterproof film
- Excellent crack bridging ability



Also available as a longer curing time version (gel time 30 sec) TEKNOPUR 360-800 and as a fire-resistant version TEKNOPUR 340 FR, fire class C_{fi} in accordance with EN13501-1:2007+A1:2009.

Adhesion

Substrate/ Primer	Method	Result	Note
Steel, FeSa2½	ISO 4624	ca. 10 MPa	–
Steel, TEKNOPLAST PRIMER 5	ISO 4624	ca. 9 MPa	–
Birch plywood, TEKNOPUR SEALER 100	ISO 4624	ca. 5 MPa	Substrate break
Concrete, TEKNOFLOOR PRIMER 306F-01	ISO 4624	ca. 6 MPa	Substrate break

Excellent chemical resistance

Chemical resistance @+23 °C if not otherwise noted	Standard	Minimum durability without major changes
Distilled water	ISO 2812-1	3+ years
Sea water	ISO 2812-1	3+ years
NaOH 50%	ISO 2812-1	2+ year
Ammonia 20%	ISO 2812-1	2+ year
Sulphuric acid 20%	ISO 2812-1	2+ year
Acetic acid 10%	ISO 2812-1	1+ year
Hydrochloric acid HCl 10%	ISO 2812-1	2+ year

Operator and environmentally friendly

- Zero VOC emissions
- No need for hot work license (roofing)
- No flammable compounds during application and curing
- Fire classification of TEKNOPUR 300:
EN 13501-1: E_{fl}
- Fire classification of TEKNOPUR 340 FR:
CEN TS 1187: BROOF T2
EN 13501-1: C_{fl}-s1



* Values are typical values based on laboratory tests and should not be considered as product specification.





Outstanding mechanical resistance

Physical properties Property	Standard	Value
Tensile strength	ISO 527-2	25 MPa
Elongation	ISO 527-2	380%
Tear strength	ISO 34-1:2015 B	30 N/mm
Tear strength	ISO 34-1:2015 C	200 N/mm
Impact resistance at -40°C	ISO 6272-2	> 100 kg*cm
Taber abrasion resistance, H-18, 1 kg, 1000 rounds	ISO 7784-2	90 mg
Water vapor permeability	ISO 7783	8 g/m ² /day

Substrates and preferred primers

Concrete

- TEKNOFLOOR PRIMER 306 F and 310 F
- TEKNOPUR SEALER 100

Steel

- TEKNODUR PRIMER 8
- TEKNOZINC 3233
- TEKNOPLAST PRIMER 7 Miox

Wood etc.

- TEKNOPUR SEALER 100

For other primer alternatives contact Teknos.

Colours

Available in various colours by agreement.

Suitable for industries and objects such as:

- Mining industry
- Pipelines
- Secondary containment
- Machines
- Transportation vehicles
- Roofs
- Steel structures
- Concrete structures
- Pools

Stand out and choose Teknos as your preferred pure polyurea supplier!

- Reliable and well-known Teknos brand comprising high quality products
- Fast and reliable deliveries via a comprehensive distribution network
- All system layers from the same supplier
- Local technical service and support
- Member of the PDA Europe





WE MAKE THE WORLD LAST LONGER

Teknos is a global coatings company with operations in more than 20 countries in Europe, Asia, and the USA. It employs approximately 1,600 people and the net sales for 2016 was EUR 307 million. Teknos is one of the leading suppliers of industrial coatings with a strong position in retail and architectural coatings. Teknos wants to make the world last longer by providing smart, technically advanced paint and coating solutions to protect and prolong. Teknos always works in close cooperation with its customers. It was established in 1948, and is one of Finland's largest family-owned businesses. For further information, visit www.teknos.com