



teknos.com/TEKNOPUR400

COST-EFFICIENT

WATER-PROOFING

EASIER APPLICATION WITH LONGER GEL TIME

TEKNOPUR 400

Modified polyurea – two-component elastomeric coating

TEKNOPUR 400-800:

- Developed based on modified polyurea technology, which makes it a cost-effective option.
- Recommended for waterproofing and creating durable roof and concrete surfaces. It can also be used for wood, geotextile and foam substrates.
- Withstands impacts, hard abrasion, chemicals and constant immersion in water.
- Suitable for coating exterior and interior spaces.
- Available in various shades, as per agreement.

Our expertise and knowhow are at your service!

ROOFS

- Seamless coating, for waterproofing and maintenance for bituminous, metal sheeting and tile (e.g. concrete, clay) roofs.
- No Hot Work required – no risk of fire as no flammable compounds are used during application.

- Extended service life with durability
- Seamless waterproofing
- Fire safety – no Hot Work
- Easier to spray on complex shapes e.g. throughlets
- No lifting of heavy bitumen rolls or mass-removing old bitumen
- Reflecting heat with light colours

CONCRETE STRUCTURES

- Suitable for coating concrete floors with light traffic, e.g. business premises or non-motorized traffic routes.
- CE approval for protection and waterproofing of concrete structures.

- Surface strength increases, prevents wearing and tear
- Chemical resistance
- Waterproofing
- Higher point load durability
- Excellent crack bridging ability
- Prevents the absorption of dirt and oils
- Improved appearance
- Slip resistance

**COST-EFFICIENT
MODIFIED POLYUREA
FOR WATERPROOFING
AND CREATING
DURABLE ROOF AND
CONCRETE SURFACES**

FEATURES & BENEFITS FOR THE APPLICATOR

- Easy to spray because of the well-levelling surface thanks to a longer gel time
- Clogs the spray gun less compared to pure polyurea, equipment stays clean longer
- Same hardener as with most Teknos polyureas, easier to switch products

FEATURES & BENEFITS FOR THE END CUSTOMER

- Great waterproofing – elasticity and softness enable good crack bridging
- Withstands hard abrasion and has good mechanical properties – durable surface that provides great wear resistance

TECHNICAL PROPERTIES OF TEKNOPUR 400-800

Property	Standard	Unit	TEKNOPUR 400-800
Gel time		s	10-15 sec.
Hardness (24 h, Shore A/D)	ISO 868		91/35
Tensile strength	ISO 527-2	MPa	20
Elongation	ISO 527-2	%	400
Tear strength	ISO 34-1:2015 C	N/mm	30
Impact resistance, RT	ISO 6272-2	kg*cm	>200
Impact resistance, -20 °C	ISO 6272-2	kg*cm	>200
Compression strength	EN12190	N/mm ²	>70
Capillary water permeability	EN 1062-3	kg/(m ² · (24h)0.5)	< 0.0046
Water absorption	65 °C / 10 d	%	6
Crack bridging	EN 1062-7 (-10 °C)	mm	>2.5
Adhesion to concrete	EN 1542	MPa	>3.8

USER EXPERIENCES

LÄNNEN PINNOITETYÖ OY

An expert company in polyurea coatings and polyurethane insulation for construction and industry in Finland.

“TEKNOPUR 400 is nowadays our most used product for roofs and concrete yard decks. It is an excellent solution especially for waterproofing concrete yard decks. The product quality is very consistent and very clean in a sense that there’s nothing extra left on the filters. Spray gun nozzle stays in good condition much longer with the 400, compared to pure polyurea. This is an important factor when large quantities of coating are used.”

Timo Pihlava, Lännen Pinnoitetyö Oy



DAB GROUP SE

DAB is one of Scandinavia’s leading companies in sealing layers, cast asphalt pavements and concrete renovations on bridges, P-decks and other concrete structures.

“We have chosen to use Teknos polyurea because it performs well and the available variants are fit for our common applications. Teknos provides secure deliveries, as well as commitment, support and the know-how.”

Tomas Andersson, DAB Group SE