

TEKNOS KEY PRODUCTS

for General Industry & Heavy Duty



CONTENTS

SOLVENTBORNE PRIMERS.....	6
SOLVENTBORNE DTM & TOPCOATS.....	8
WATERBORNE PRIMERS.....	10
WATERBORNE TOPCOATS.....	12
SPECIAL PRODUCTS.....	14
ADDITIVES.....	16

PAINTS AND COATINGS FOR GENERAL INDUSTRY & HEAVY DUTY APPLICATIONS

Teknos offers a comprehensive product portfolio for General Industry and Heavy Duty applications. Our product portfolio includes environmentally friendly, performance oriented and economically

focused solutions that are engineered to meet our customers' needs and requirements. Due to our extensive product range, we can provide the correct paint systems for the most sophisticated objects, including steel, galvanized or aluminium surfaces.

An applicable surface treatment does not only protect and extend the service life of the painted object but it also enlivens and enhances the appearance of the object. Our TEKNOMIX and TEKNOTINT tinting systems offer almost limitless selection of different colours with very fast delivery time. The high and consistent quality of our products together with our tinting services ensure very fast lead-time for your production.

TEKNOS' GLOBAL-LOCAL SERVICE CONCEPT FOR OUR CUSTOMERS

According to our Global-Local strategy, we provide a high-level local customer service which ensures fast and accurate deliveries. In the chosen geographical areas, the service concept includes local tinting possibilities, technical support and R&D service in local language.

Outstanding technical service is an important part of our Global-Local service concept. We want to help our customers to utilize all the benefits that our technically advanced and cost effective products have to offer.

TEKNOS' KEY PRODUCT PORTFOLIO FOR GENERAL INDUSTRY AND HEAVY DUTY CONSISTS OF

- Standard paints in stock for fast deliveries
- Alongside traditional solvent-borne products, high solids, special linings, solvent-free and water-borne paints for different surfaces
- Excellent selection of direct-to-metal (DTM) products based on wide selection of binders

R&D IS IN THE HEART OF TEKNOS

INNOVATION

Innovations are the foundation of Teknos. Consistent quality of products and performance standards coupled with new, more demanding environmental regulations will continue to shorten product lifecycles, presenting us with new challenges. We continuously invest in research and development to ensure that we can meet these requirements.

For further information, please feel free to contact us!
www.teknos.com

TECHNICAL GUIDELINES HOW TO READ THIS BROCHURE

In this brochure you can find general information of our key products and their properties. More detailed information about the use of these products are described in the individual product data sheets and in the recommended paint system sheets, available on our website.

OUR CUSTOMER PROMISES

Technically superior surfaces

Unique technical service

Reliable supply

Consistent quality

Local presence

Teknos reserves all rights to make changes and improvements to the products and their properties. Please, always check the latest information on products from Technical Data Sheets and Material Safety Data Sheets; www.teknos.com

Solventborne primers

Product	Basis	Drying/Curing	Color	Thinner	Substrate				Gloss	Surface aspect	Hardener	Mixing ratio	VOC g/ltr	Solid content weight %	Pot life 23°C
					Aluminium SaS acc ISO 8501-1	Zinc SaS acc ISO 8501-1	Steel SA 2½ acc ISO 8501-1	Colled rolled steel							
TEKNOLAC PRIMER 2043-01 Fast drying universal primer for metal surfaces, excellent corrosion protection , Easy to apply.	AK	Oxidative air drying	oxid red, oxid yellow, black, grey	TEKNOSOLV 6120	○		●	○	Matt	Smooth	None	None	470	64 +/- 2%	None
TEKNOPLAST PRIMER 7 Fast drying 2K epoxy universal primer for metal surfaces, excellent corrosion protection , Easy to apply.	EP	Reaction curing	RAL 7035	TEKNOSOLV 9506	●	●	●	○	Matt	Smooth	TEKNOPLAST HARDENER	4:1 Vol	230	84 +/- 2%	3 h
TEKNODUR PRIMER 3450 Fast drying 2K polyurthane universal primer for metal surfaces, excellent corrosion protection , Easy to apply. Fast overcoatability with TEKNODUR TOPCOAT	PUR	Reaction curing	Grey, light pink	TEKNOSOLV 6220 Standard TEKNOSOLV 7140 Fast TEKNOSOLV 6290 Slow	●	●	●	○	Matt	Smooth	TEKNODUR HARDENER 7310	14:1 Vol	497	64 +/- 2%	6 h
TEKNOTHERM PRIMER 4010-04 Stoving primer for metal surfaces ,excellent corrosion protection .	EPE/MEL	Stoving 20°/160°C	White, grey	TEKNOSOLV 6320	●	●	○	●	Matt	Smooth	None	None	523	64 +/- 2%	None
TEKNOSEAL SHOP PRIMER 91010-00 Fast drying shop primer for metal surface for temporary protection.	PVB	Evaporation drying	Black	TEKNOSOLV 90602	●	●	●	○	Matt	Smooth	None	None	735	27 +/- 2%	None
TEKNOZINC 3232-00 Zinc rich primer accordingly ISO 12944.	EP	Reaction curing	Grey	TEKNOSOLV 9506			●		Matt	Smooth	TEKNOZINC HARDENER 7260	4:1 Vol	480	85 +/- 2%	8 h

● = Recommended use ○ = Suitable

Teknos reserves all rights to make changes and improvements to the products and their properties. Please, always check the latest information on products from Technical Data Sheets and Material Safety Data Sheets; www.teknos.com

Solventborne DTM and topcoats

Product	Basis	Drying/Curing	Color	Thinner	Substrate				Gloss	Surface aspect	Mixing ratio	VOC g/ltr	Solid content weight %	Pot life 23°C
					Aluminium SaS acc ISO 8501-1	Zinc SaS acc ISO 8501-1	Steel SA 2½ acc ISO 8501-1	Colled rolled steel						
TEKNOLAC 2192-09 High gloss topcoat with good UV resistance and low yellowing. Available in TEKNOTINT tinting system	AK	Oxidative air drying	All	TEKNOSOLV 6120 Standard TEKNOSOLV 6670 Slow	With suitable primer	With suitable primer	With suitable primer	With suitable primer	High gloss	Smooth	None	445	57 +/- 2%	None
TEKNOLAC COMBI 2144-08 Glossy combi product with good UV resistance and low yellowing, contains anticorrosive pigment. Available in TEKNOTINT tinting system	AK	Oxidative air drying	All	TEKNOSOLV 6120 Standard TEKNOSOLV 6670 Slow	With suitable primer	With suitable primer	●	○	Glossy	Smooth	None	500	52 +/- 2%	None
TEKNOLAC COMBI 91700-04 Semi gloss combi product with good UV resistance and low yellowing, contains anticorrosive pigment. Available in TEKNOTINT tinting system	AK	Oxidative air drying	All	TEKNOSOLV 6120 Standard TEKNOSOLV 6670 Slow	With suitable primer	With suitable primer	●	○	Glossy	Smooth	None	375	76 +/- 2%	None
TEKNOPLAST HS 150 Semi gloss 2K epoxy combi product with excellent corrosion protection. Available in TEKNOTINT tinting system	EP	Reaction curing	All	TEKNOSOLV 9506	●	●	●	○	Semi Gloss	Smooth	4:1 Vol	240	85 +/- 2%	4 hours
TEKNODUR COMBI 3440-05 Semi gloss 2K polyurethane combi product with excellent UV resistance, is designed to have good adhesion aluminiums alloys, contains anticorrosive pigments. Available in TEKNOTINT tinting system	PUR	Reaction curing	All	TEKNOSOLV 6220 Standard TEKNOSOLV 7140 Fast TEKNOSOLV 6290 Slow	●	●	●	○	Semi Gloss	Smooth	6:1 Vol	360	62 +/- 2%	1½ hour
TEKNODUR COMBI 3442-05 Semi gloss 2K polyurethane combi product with good UV resistance, contains anticorrosive pigments. Available in TEKNOTINT tinting system	PUR	Reaction curing	All	TEKNOSOLV 6220 Standard TEKNOSOLV 7140 Fast TEKNOSOLV 6290 Slow	○	○	●	○	Semi Gloss	Smooth	6:1 Vol	350	61 +/- 2%	1½ hour
TEKNODUR COMBI 3442-09 Glossy 2K Polyurethane Combi product with good UV resistance, contains anti corrosive pigments. Available in TEKNOTINT tinting system	PUR	Reaction curing	All	TEKNOSOLV 6220 Standard TEKNOSOLV 7140 Fast TEKNOSOLV 6290 Slow	○	○	●	○	Glossy	Smooth	6:1 Vol	380	58 +/- 2%	1½ hour
TEKNORAN COMBI 1485-09 Glossy NISO Combi product with good UV resistance, contains anticorrosive pigments. Free of epoxy and isocyanat. Available in TEKNOTINT tinting system	NISO	Reaction curing	All	TEKNOSOLV 6120	With suitable primer	With suitable primer	●	With suitable primer	Glossy	Smooth	2:1 Vol	280	80 +/- 2%	4 hours
TEKNODUR COMBI 3560-78 Glossy 2K polyurethane combi product with good UV resistance, contains anticorrosive pigments. Available in TEKNOTINT tinting system	PAS	Reaction curing	All	TEKNOSOLV 9526	●	●	●	With suitable primer	Glossy	Smooth	3:1 Vol	240	85 +/- 2%	15 min
TEKNOTHERM 4350-00 Semi gloss stoving primer with good UV resistance. Available in TEKNOTINT tinting system	PE/MEL	Stoving 20°/160°C	All	TEKNOSOLV 6340	●	○	○	●	Semi Gloss	Smooth	None	430	60 +/- 2%	None

● = Recommended use ○ = Suitable

Teknos reserves all rights to make changes and improvements to the products and their properties. Please, always check the latest information on products from Technical Data Sheets and Material Safety Data Sheets; www.teknos.com

Waterborne primers

Product	Basis	Drying/Curing	Color	Thinner	Substrate				Gloss	Surface aspect	Hardener	Mixing ratio	VOC g/ltr	Solid content weight %	Pot life 23° C
					Aluminium SaS acc ISO 8501-1	Zinc SaS acc ISO 8501-1	Steel SA 2½ acc ISO 8501-1	Colled rolled steel							
TEKNOCRYL AQUA PRIMER 3-01 Fast drying universal primer for metal surfaces, excellent corrosion protection. Easy to apply	AK/AY	Oxidative airdrying	Grey, green	Water	●	●	●	○	Matt	Smooth	None	None	50	50 +/- 2%	None
TEKNOLAC AQUA PRIMER 2964-10 Fast drying primer for metal surfaces, excellent corrosion protection. Easy to apply	AK	Oxidative airdrying	Light pink	Water	○		●	○	Matt	Smooth	None	None	35	52 +/- 2%	None
TEKNOPOX AQUA PRIMER 3 Fast curing 2K epoxy universal primer for metal surfaces, excellent corrosion protection. Easy to apply	EP	Reaction curing	Light pink, grey	Water	●	●	●	○	Matt	Smooth	TEKNOPOX AQUA HARDENER 0300	1:1 Vol	40	55 +/- 2%	1½ hour
KORRO AQUA 2741 1K shopprimer, very fast drying. Overcoatable with many different waterborne and solvent-borne products	AY	Airdrying	Grey, oxid red	Water			●	○	Matt	Smooth	None	None	35	54 +/- 2%	None

● = Recommended use ○ = Suitable

Teknos reserves all rights to make changes and improvements to the products and their properties. Please, always check the latest information on products from Technical Data Sheets and Material Safety Data Sheets; www.teknos.com

Waterborne topcoats

Product	Basis	Drying/Curing	Color	Thinner	Substrate				Gloss	Surface aspect	Hardener	Mixing ratio	VOC g/ltr	Solid content weight %	Pot life 23° C
					Aluminium SaS acc ISO 8501-1	Zinc SaS acc ISO 8501-1	Steel SA 2½ acc ISO 8501-1	Colled rolled steel							
TEKNOCRYL AQUA COMBI 2750 Semi matt combi product with excellent corrosion protection. Available in TEKNOCOLOR tinting system.	AK/AY	Oxidative airdrying	All	Water	●	●	●	○	Semi Matt	Smooth	None	None	73	50 +/-2%	None
TEKNOCRYL AQUA 98080-03 Semi gloss topcoat product with excellent adhesion to electrodeposit primers, low yellowing. Available in TEKNOCOLOR tinting system.	AK/AY	Oxidative airdrying	All	Water	With suitable primer	With suitable primer	With suitable primer	With suitable primer	Semi gloss	Smooth	None	None	57	49 +/-2%	None
TEKNOCRYL AQUA 2731-28 Glossy topcoat product with good UV resistance and low yellowing. Available in TEKNOCOLOR tinting system.	AY	Airdrying	All	Water	With suitable primer	With suitable primer	With suitable primer	With suitable primer	Glossy	Smooth	None	None	31	45 +/-2%	None
TEKNOLAC AQUA COMBI 330 Glossy combi product with excellent corrosion protection. Available in TEKNOCOLOR tinting system.	AK	Oxidative airdrying	All	Water	With suitable primer	With suitable primer	●	●	Glossy	Smooth	None	None	43	49 +/-2%	None
TEKNODUR AQUA 3393-33 Semi Matt 2K polyurethane topcoat with good UV resistance and low yellowing. Available in TEKNOCOLOR tinting system	PUR	Reaction curing	All	Water	With suitable primer	With suitable primer	With suitable primer	With suitable primer	Semi Matt	Smooth	TEKNODUR AQUA HARDENER 7323	9:1 Vol	60	48 +/- 2%	3 hours
TEKNODUR AQUA 3390 Glossy 2K polyurethane topcoat with good UV resistance and low yellowing. Available in TEKNOCOLOR tinting system	PUR	Reaction curing	All	Water	With suitable primer	With suitable primer	With suitable primer	With suitable primer	Glossy	Smooth	TEKNODUR AQUA HARDENER 7313	5:1 Vol	90	52 +/- 2%	1,5 hour

● = Recommended use ○ = Suitable

Teknos reserves all rights to make changes and improvements to the products and their properties. Please, always check the latest information on products from Technical Data Sheets and Material Safety Data Sheets; www.teknos.com

Special products

Product	Basis	Drying/Curing	Color	Thinner	Substrate				Gloss	Surface aspect	Hardener	Mixing ratio	VOC g/ltr	Solid content weight %	Pot life 23°C
					Aluminium SaS acc ISO 8501-1	Zinc SaS acc ISO 8501-1	Steel SA 2½ acc ISO 8501-1	Colled rolled steel							
TEKNOHEAT 1180 Matt topcoat tolerating a continuous heating up to 400 °C and a brief heating up to 600 °C	SI	Stowing 60°/200oC	Black / aluminium	TEKNOSOLV 6120			●	○	Matt	Smooth	None	None	640	45 +/-2%	None
INERTA 165 Glossy Combi product with excellent abrasion resistance and mechanical properties. Suitable for objects that are immersed into water or soil.	EP	Reaction curing	Green	TEKNOSOLV 9506			●		Glossy	Smooth	INERTA 165 HARDENER	2:1	100	95 +/-2%	6 hours
INERTA 205 Glossy Combi product with excellent abresion resistance and mechanical properties. Suitable for containers for potable water (statement No. ELI0447/90 by the Technical Research Centre of Finland)	EP	Reaction curing	White	TEKNOSOLV 9506		○	●		Glossy	Smooth	INERTA 205 HARDENER	2:1	0	100%	30 min
INERTA 280 Glossy Combi product with excellent chemical resistance and good mechanical properties. Suitable for objects that are immersed into chemicals, water and soil.	EP	Reaction curing	Green	TEKNOSOLV 9506			●		Glossy	Smooth	INERTA 280 HARDENER	2:1	50	97 +/-2%	40 min
TEKNOROAD 250 Matt road marking paint with good weather resistance and fast drying. Fulfills the quality requirements for road marking paints prescribed by the Finnish Transport Agency.	AK	Oxidative airdrying	White, yellow, red, blue, black	TEKNOSOLV 6120					Matt	Smooth	None	None	380	73 +/-2%	None
HENSOTHERM 910 KS 100% solid solvent-free intumescent coating suitable for indoor and outdoor use. Recommended fire resistance rates for open and closed steel profiles are R30-R60. HENSOTHERM 910 KS is tested and approved according to EN 13501-2, EN13381-8, ETA No 16/0834, with CE markings applied according to 93/68/EEC. Allowed usage categories are X/Y/Z1/Z2 cording to ETAG 018-2	EP	Reaction curing	White	TEKNOSOLV 9506			●		Matt	Smooth	HESOTHERM 910	2,43 : 1	0	100%	45 min / 30°C

● = Recommended use ○ = Suitable

Teknos reserves all rights to make changes and improvements to the products and their properties. Please, always check the latest information on products from Technical Data Sheets and Material Safety Data Sheets; www.teknos.com

Additives

Product	Solventborne	Waterborne	Solvent- and waterborne	Addition level by weight	Item no.	Can size
TEKNOPAINT ADDITIVE 7820 Matting pasta For matting of clear and pigmented solventborn paint	Yes	No	No	0-20%	1198553	5 l
TEKNOPAINT ADDITIVE 7901-43 For the reduction of electrical resistance in solventborn paints	Yes	No	No	0-2%	2295480	1 l
TEKNOPAINT ADDITIVE 1940-12 Texture additive coarse To give a sandpaper like surface texture coarse	Yes	Yes	Yes	0-5%	1537642	1 kg
TEKNOPAINT ADDITIVE 1940-12 Texture additive medium To give a sandpaper like surface texture medium	Yes	Yes	Yes	0-5%	1537659	1 kg
TEKNOPAINT ADDITIVE 1940-12 Texture additive fine To give a sandpaper like surface texture fine	Yes	Yes	Yes	0-5%	2547961	1 kg
TEKNOPAINT ADDITIVE 1940-12 Texture additive superfine To give a sandpaper like surface texture superfine	Yes	Yes	Yes	0-5%	2318974	1 kg
TEKNOPAINT ADDITIVE 7900-44 Matting agent For matting of clear and pigmented waterborne paint	No	Yes	No	0-20%	1227031	5 l
TEKNOPAINT ADDITIVE 7790-01 Catalyst for PUR products, reduces drying time	Yes	No	No	0,1-0,5%	1384529	1 l



SUITABLE FOR INDUSTRIES AND OBJECTS:

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

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_{ii} in accordance with EN13501-1:2007+A1:2009.

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
Overcoat by itself	within 24h

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°C up to +150°C.

ENVIRONMENTALLY FRIENDLY

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



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

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

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.

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



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



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 1,700 people and makes annual net sales of approximately EUR 400 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

TEKNOS GROUP OY
TAKKATIE 3
P.O. BOX 107
FI-00371 HELSINKI
TEL. +358 9 506 091

