

NUCLEAR POWER PLANT

Paint Systems

TEKNOS SOLUTIONS FOR NUCLEAR POWER PLANTS

The paints used in nuclear power plants are high-class, special products. Their quality is verified through heavy testing programmes.

Teknos' nuclear power plant paint systems for metal and mineral surfaces meet the latest international standards and requirements, for instance, STUK-YTO-TR 210 (Radiation and Nuclear Safety Authority) and TBY (Technical Regulations for Surface Treatment).

Nuclear Power Plant – Teknos' Paint Systems for Metal Surfaces

Paint systems for corrosivity category / durability range C3/H:

INERTA PRIMER 5 A	80 µm	Steel containment inside, controlled areas Examples: Liner, Polar-crane, doors, pipes, steel structures in general Traditional coating system with conventional volume solids
INERTA 51 A	80 µm	
INERTA 50 A	40 µm	
Total 200 µm		

INERTA PRIMER 5 A	60 µm	Steel containment inside, controlled areas Examples: Liner, Polar-crane, doors, pipes, steel structures in general Alternative coating system with only two coating layers and high solid top coat
INERTA 271 A	120 µm	
Total 180 µm		

Paint systems exposed to steam or condensation:

TEKNOPLAST HS 150 A	3 x 100 µm	Structures exposed to steam or condensation, controlled areas Examples: supports, doors, steel structures in general High solid coating system
Total 300 µm		

INERTA 270 A	2 x 150 µm	Structures exposed to steam or condensation, controlled areas. Examples: supports, doors, steel structures in general. Alternative high solid coating system with only two coating layers
Total 300 µm		

Paint systems for water immersion:

INERTA 165 A	2 x 250 µm	Pipes and pools in immersion, controlled areas Ultra high solid coating system
Total 500 µm		

INERTA 160 A	500 µm	Pipes and pools in immersion, controlled areas Alternative, almost solvent-free coating system, application by hot twin-feed airless spray
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INERTA 160	2 x 500 µm	Sea water pipes, non-controlled areas Almost solvent-free coating system, application by hot twin-feed airless spray
Total 1000 µm		

Nuclear Power Plant – Teknos' Paint Systems for Metal Surfaces

Paint system for tank linings (high chemical resistance):

INERTA 280 A	500 µm	Pipes and tanks immersed in operation medium, controlled areas High chemical resistance
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Epoxy powder coating system:

INFRALIT EP 8024 A	200 µm	Device cases, doors
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Inorganic zinc silicate coating system:

TEKNOZINC SS A	1 x 80 µm	The outer part of liner, steel parts under insulation Based on two-component zinc silicate coating
TEKNOZINC SS 1K A	1 x 80 µm	The outer part of liner, steel parts under insulation Alternative, one-component zinc silicate coating

Nuclear Power Plant – Teknos' Paint Systems for Mineral Surfaces

TEKNOPOX FILL A	filling of cavities 60 - 100 µm partial stopping (if needed)	Walls and ceilings, controlled areas Water-borne epoxy coating system
TEKNOPOX AQUA PRIMER 5901 A		
TEKNOPOX AQUA FILL 5900 A		
TEKNOPOX AQUA PRIMER 5901 A	60 - 100 µm	
TEKNOPOX AQUA 5902 A		

TEKNOFLOOR AQUA 110F A	3 x 60 µm	Floors for light mechanical stress, controlled areas Water-borne epoxy flooring system
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TEKNOFLOOR PRIMER 5750 A	priming 2 mm	Floors for high mechanical stress, controlled areas Solvent-free epoxy flooring system
TEKNOFLOOR 5620 A		

INERTA 280 A	1 x 500 µm	Safety pools, floors under chemical tanks
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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 1,800 people and makes annual net sales of approximately EUR 398 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

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