

INFRALIT

Low Temperature Curing
Powder Coatings





INFRALIT – LOW TEMPERATURE CURING POWDER COATINGS

INFRALIT low temperature curing powder coatings combines excellent weather resistance with a low curing temperature. Sustainable low temperature curing powder coatings help to save energy and boost production.

SUSTAINABLY ENERGY-EFFICIENT

Low temperature curing powder coatings cure at significantly lower temperatures than normal powder coatings, providing clear energy savings.

BOOSTING PRODUCTION

The production rate when using normal oven temperatures can be enhanced, due to significantly shorter throughput times. Line speed can be increased without adjusting the oven parameters. Low temperature curing powder coatings are not more sensitive to over-curing than standard powder coatings. Therefore, they are suitable for all types of paint shops that use powder coatings.

BENEFITS ARE EVIDENT WHEN PAINTING MASSIVE STEEL COMPONENTS

The benefits of using low temperature curing

powder are emphasized when painting heavy steel components, such as massive steel beams, agricultural machinery, tractors, mining machinery and truck bodies, because the powder coating cures at lower component temperatures.

HEAT-SENSITIVE, NON-CONDUCTIVE SUBSTRATES

One of the basic principles of powder coating is that the component being painted must be conductive and resistant to high curing temperatures. For these reasons, use of powder coating on heat sensitive and non-conductive substrates can be very challenging.

Low temperature curing powders enable the use of powder coating on heat sensitive substrates, such as MDF sheets, plywood, plastic and composite materials. To enable

the use of powder coating, non-conductive components need to be pre-treated in a specific way. Pre-treatment methods vary, depending on the substrate.

STORAGE, TRANSPORTATION AND HANDLING

Because low temperature curing powder coatings are more reactive than standard powder coatings, it is vital that the product does not exceed its recommended storage temperature at any stage of transportation, storage or handling.

Teknos' sales team will be happy to provide more information on low temperature curing powder coatings and their use.



LOW TEMPERATURE CURING POWDER COATINGS

- Low energy consumption
- Beneficial for heavy components
- Sustainable choice

INFRALIT Low Temperature Curing Powder Coatings

Serie	Binder	Energy-saving curing time / substrate temperature Heat sensitive substrates	Time-saving curing time / substrate temperature	Finish	Quality
-------	--------	--	---	--------	---------

INFRALIT LOW TEMPERATURE CURING POWDER COATINGS FOR OUTDOOR USE

PE 8640	Polyester	10 min / 160 °C	6 min / 180 °C	Glossy, semigloss	Industrial
PE 8641	Polyester	10 min / 160 °C	6 min / 180 °C	Texture	Industrial
PE 8642	Polyester	10 min / 160 °C	6 min / 180 °C	Hammer finish	Industrial
PE 8643	Polyester	15 min / 160 °C	5 min / 180 °C	Matte	Industrial
PE 8725	Polyester	15 min / 160 °C	8 min / 180 °C	Glossy	Super Durable
PE 8726	Polyester	15 min / 160 °C	8 min / 180 °C	Semigloss	Super Durable

INFRALIT LOW TEMPERATURE CURING POWDER COATINGS FOR INDOOR USE

EP/PE 8241	Epoxy Polyester	10 min / 145 °C	5 min / 165 °C	Texture	
EP/PE 8242	Epoxy Polyester	10 min / 145 °C	5 min / 165 °C	Hammer finish	
EP/PE 8245	Epoxy Polyester	10 min / 145 °C	5 min / 165 °C	Glossy	
EP/PE 8246	Epoxy Polyester	10 min / 145 °C	5 min / 165 °C	Semigloss	
EP 8024-23	Epoxy	15 min / 130 °C	5 min / 160 °C	Glossy	

SHOULD YOU NEED ANY FURTHER INFORMATION OR ASSISTANCE

Local Teknos' technical service professionals are happy to help you!
www.teknos.com

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. The company employs approximately 1,700 people, and the net sales for 2018 was EUR 408 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. Teknos 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

