



HIGH TEMPERATURE RESISTANT COATINGS

THERMODUR
Colourful. Heat resistant. By Rembrandtin.

REMBRANDTIN IS ONE OF THE WORLD'S LEADING PRODUCERS OF SPECIALITY COATINGS

REMBRANDTIN

"DESIGNING EXCELLENCE"



HIGHTECH COATINGS FOR DIFFERENT REQUIREMENTS

The history of Rembrandtin Coatings GmbH dates back to the year 1937. Today, the company is a specialist for high-tech coatings like high-temperature resistant systems, protective coatings, zinc flake coating systems, road markings, core plate varnishes or railway coatings. Decades of experience make Rembrandtin a reliable partner with global approvals from market leaders in the general industry and the automotive sector. Since 2014, the company is member of the KANSAI HELIOS Group, one of the **top ten coatings companies of in Europe**, and member of the worldwide KANSAI PAINT Group.

YOUR PROFESSIONAL PARTNER WORLDWIDE

Rembrandtin exports more than 70 % of its products. The worldwide sales representations enable the company to support its customers personally and on site.

„DESIGNING EXCELLENCE“ – R&D AT THE HIGHEST LEVEL

At KANSAI HELIOS research and development is based on the highest standards, extensive know-how and a passion for inventive product solutions. We drive progress and innovation in our high-end laboratories. Looking far ahead, our experienced R&D teams formulate, develop and test high-performance coatings and paints, chemicals for bleaching and cleaning as well as materials for sticking and sealing that meet the high criteria of future product quality – especially with regard to the environment.

CREATING MORE VALUE FROM LESS RESOURCES

The KANSAI HELIOS Group is committed to the principles of sustainable development and relies on clean, energy-saving production technologies and the responsible use of resources. Accordingly, environmental protection and a strong ESG management are a key focus for us, not only in product development, but along the entire value chain and in all areas of the Group.



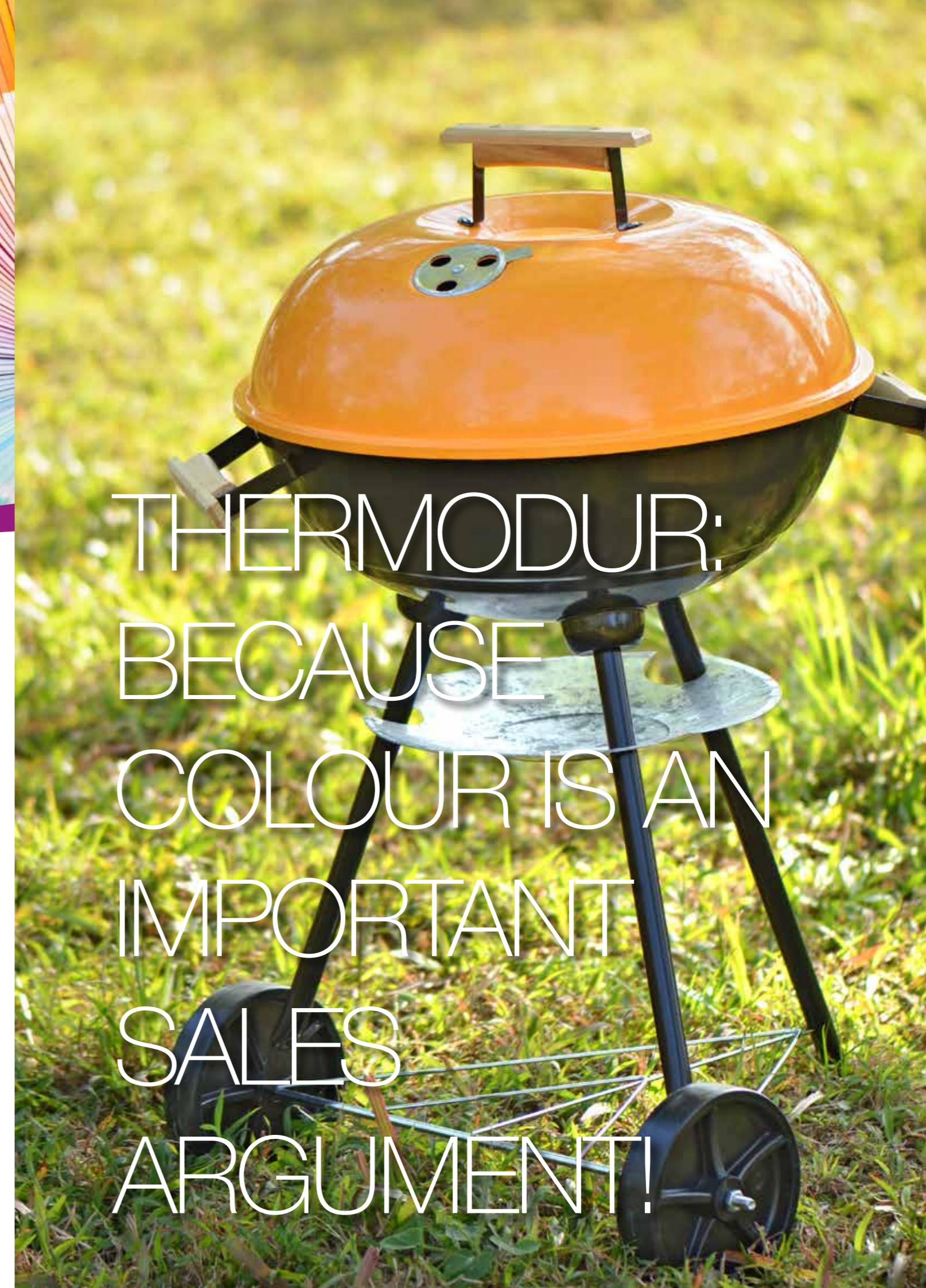
THERMODUR – THE COATING SYSTEM BY REMBRANDTIN

For many years major manufacturers of heat stressed appliances throughout the world have relied on the colour innovations from the house of Rembrandtin. With the THERMODUR series, Rembrandtin offers the perfect coating in optimal quality **for every application in the high temperature resistance sector.**

Besides their specific properties, all of our THERMODUR coatings have one thing in common: They open up previously **undreamt-of possibilities for the design of your product.** Even today the Rembrandtin research department is developing the basis for the product innovations of tomorrow.



**THERMODUR:
BECAUSE
COLOUR IS AN
IMPORTANT
SALES
ARGUMENT!**





PRODUCT PROGRAM

OVEN SYSTEMS

STANDARD SYSTEM

Thermodur 250 SQ
Thermodur 300 TOP COAT
Thermodur 600 STAN
Thermodur Hot-Plate Coating

ANTI-SMOKE SYSTEM

Thermodur 600 ASS HSR
Thermodur 600 ASS HS
Thermodur 600 ASS BBQ
Thermodur 600 HPNS 1K
Thermodur 600 ASS

AQUA SYSTEM

Thermodur PURE
Thermodur 600 AQUA

EXHAUST PAINTS

Thermodur 600 ASS EX
Chemolit Top Coat
Zinkalit Base Coat

STEEL SYSTEMS

Tinderex Ultra
Tinderex K 12124

HIGH TEMPERATURE ANTI CORROSION SYSTEMS

Remisol ALU
Remisol Titanium CUI
Remisol OM 500

OVEN SYSTEMS

Thermodur coatings can be processed with all common application systems and are also suitable for robot lacquering. Fireplaces, smoke pipes, heaters, toasters & Co shine in current trend colours thanks to the one-coat finish with this decorative, heat-curing silicone coating. They open up many design possibilities: In addition to a wide range of RAL colour shades, glossy or matt colour options can also be supplied, individually according to customer requirements. Use the magic of colours for your products. Even unusual design ideas are possible.

STANDARD SYSTEM

With our standard systems, a wide range of product lines can be enhanced and permanently protected. A temperature range from 250 to 650°C can be covered thanks to these products. Our standard products offer very good colour stability and excellent adhesion even at higher temperatures on non-blasted substrates.

HERMODUR 250 SQ

The one-coat finish with a decorative heat-curing silicone coating makes heaters, toasters & co. shine in trendy colours. Thermodur 250 SQ is applied by spraying and can withstand temperatures of up to 250°C. This coating opens up a wide range of design possibilities: in addition to a multitude of RAL shades, it can also be supplied in gloss or matt according to individual customer requirements. The magic of colours enables manufacturers of great product innovations-because colour is also an important sales argument.

THERMODUR 300 TOP COAT

Decorative one-coat varnish based on a modified silicone resin. Thermodur 300 TOPCOAT is particularly characterised by its high gloss, colour stability and hard surface. It is resistant up to 400°C throughout.

HERMODUR 600 STAN

THERMODUR 600 STAN is the ideal coating for all stoves, stove inserts and flue pipes. Among its special features are very good colour retention even at high temperatures and excellent adhesion to non-shotblasted subsurfaces. The coating, which can withstand temperatures of up to 600°C can be applied with all common application systems. The use of a painting robot is also possible with Thermodur 600 STAN. Thanks to the large selection of colour shades, even the most unusual design ideas can be realized with THERMODUR 600 STAN.



THERMODUR HOT-PLATE COATING

This high temperature resistant silicone single-layer coating system has been developed specifically for the special requirements in the hotplate industry and impresses with exceptional resistance to abrasion. Thermodur hotplate lacquers can be exposed continuously to 600°C. For the red spot in the middle, which marks the rapid hotplate, we also have a suitable marking colour in our product range. Because we develop solutions for you, which not only make life colourful, but also easier.

ANTI-SMOKE SYSTEM

When a stove is heated for the first time to above 200°C normally an oxidation or carbonisation process begins, during which the organic component of the stove enamel (parts of the silicone resin) is converted into an inorganic matrix. This is accompanied by a visible development of smoke. Not with THERMODUR 600 ASS. With this coating Rembrandtin focused on avoiding this smoke development when heating for the first time. Through special cross-links the stove enamel achieves its final mechanical hardness already at room temperature and therefore does not develop any smoke. The enamel is available in many brilliant colour shades and optimal for stoves, stove inserts as well as flue pipes.

THERMODUR 600 ASS HSR

High-temperature resistant 2-component oven coating which is characterised by its high gloss level, easy cleaning and high surface hardness at temperatures up to 350°C. Thermodur 600 ASS HSR has a low VOC content - this makes a positive contribution to the environment.

THERMODUR 600 ASS HS

High-temperature resistant 2-component oven varnish with excellent temperature resistance and colour retention at 600°C. No smoke development during first heating. The film thickness is approx. 20 µm TSD.

THERMODUR 600 ASS BBQ

This high-temperature resistant 2-component varnish has been especially developed for the exterior coating of smokers and barbecues, which are used in the outdoor area. Thermodur 600 ASS BBQ impresses with excellent corrosion resistance in single-coat painting up to 600°C.

THERMODUR 600 HPNS 1K

This high temperature resistant 1-component oven coating is based on a special silicone resin. THERMODUR 600 HPNS 1K impresses with excellent temperature resistance, no smoke development during first heating and colour retention up to 600°C.

THERMODUR 600 ASS

High temperature resistant 2-component oven paint based on a special silicone resin. This coating impresses with its excellent temperature resistance and colour retention up to 600 °C. No smoke development during first heating, high mechanical hardness before first heating as well as no sticking of the sealing cord are the properties of this THERMODUR coating.





AQUA SYSTEM

The environmental regulations (VOC regulation) in the processing industry are becoming increasingly restrictive. Manufacturers are therefore increasingly looking for alternatives to solvent-based varnishes. Rembrandtin offers such an alternative with THERMODUR PURE and THERMODUR 600 AQUA. These varnishes are water-thinnable alternatives to Thermodur 600 ASS and Thermodur 600 STAN.

THERMODUR PURE

THERMODUR PURE is a further development of THERMODUR 600 ASS and combines the advantages of both products. THERMODUR PURE and THERMODUR 600 AQUA have the same outstanding properties: avoidance of smoke formation during first heating and a high temperature resistance. By using these oven coatings, manufacturers meet all environmental requirements without having to compromise on quality.

THERMODUR 600 AQUA

Thermodur 600 Aqua is the ideal water-based coating for stoves and flue pipes. It is characterised by very good colour stability even at high temperatures and excellent adhesion to non-blasted substrates.



EXHAUST PAINTS

Exhaust coatings are the ideal addition to the Rembrandtin product portfolio. Our customers can rely on our decades of experience in the areas of corrosion protection and high-heat resistant systems and expect optimal product solutions. Because we know what is important for exhaust paints: very high temperature resistance, excellent corrosion protection, chemical resistance, UV resistance, good colour and gloss retention, easy application and processing properties, fast drying.

THERMODUR 600 ASS EX

High-temperature resistant 2-component paint specially developed for painting steel and stainless steel exhausts. The coating impresses with excellent corrosion resistance in one-coat as well as temperature resistance and colour retention up to 600°C. No smoke development during first operation.

CHEMOLIT TOPCOAT

High temperature resistant 1-component exhaust paint based on a special silicone resin. Fields of application: Exhaust pipes, exhaust silencer systems made of stainless steel and aluminized steel.

ZINKALIT BASECOAT

Highly heat-resistant one-coat coating based on an epoxy ester. Can be painted over with CHEMOLIT topcoat. Fields of application: Exhaust silencer systems made of aluminised steel, stainless steel. Zinc dust paint: highly pigmented, fast drying, universally applicable. Zinkalit basecoat is permanently temperature-resistant up to 550°C and has very good corrosion protection, dries quickly and can be used universally.

THERMODUR
COATINGS FROM
REMBRANDTIN
ARE ECONOMICAL,
FUNCTIONAL
AND MEET THE
HIGHEST QUALITY
STANDARDS.



STEEL SYSTEMS

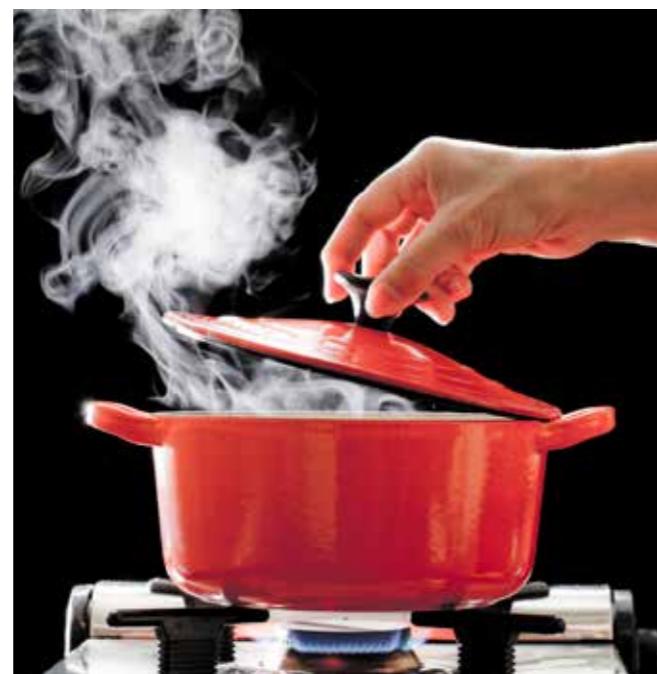
When annealing metals, scaling often occurs and thus unwanted material loss. Tinderex prevents the formation of scale on the surface and prevents oxidation layers. This ensures uniform heating and cooling and significantly reduces deformation during heat treatment. The rolling in of scale by the rollers of the continuous furnace is prevented, thus no scarring occurs.

TINDEREX ULTRA

Tinderex Ultra prevents the formation of scale on the surface of heavy plates and profiles in continuous and insert furnaces up to 970°C. It also prevents oxidation layers on copper and brass alloys.

TINDEREX K 12124

Tinderex K 12124 prevents the formation of scale on the surface of heavy plates and profiles in continuous and insert furnaces up to 950°C. It also prevents oxidation layers on copper and brass alloys.



HIGH TEMPERATURE ANTI CORROSION SYSTEMS

These systems are based on special silicone resins. The coatings are convincing due to their high temperature resistance and excellent corrosion protection properties. This means that steel structures exposed to high temperatures can be permanently protected.

REMOSEL OM 500

A specially developed 1-component zinc dust primer based on an ethyl silicate. Especially suitable for constructions exposed to high temperatures which require a high level of corrosion protection.

REMOSEL S ALU

Specially developed high-heat resistant coating based on cross-linking silicone resin with metallic aluminium flakes. Suitable for interior use as a single-layer coating with temperature resistance up to 600°C. Suitable for exterior use as top coat of Remosil OM 500 with temperature resistance up to 500°C.

REMOSEL TITANIUM CUI

This high-temperature resistant 2-component coating is based on a special silicone resin with very good corrosion protection properties. The coating is convincing due to its high temperature resistance at temperatures up to 600 °C and was specially developed to prevent corrosion under insulation (CUI).



INDIVIDUAL HIGH HEAT RESISTANT COATINGS

In the past, fireplaces were simply used to heat the rooms where people lived. Manufacturers of fireplace coatings focussed only on the functionality of the coatings – while

accepting limitations with regard to appearance and design. When the stoves were put into operation, the colour shade changed very quickly. We are aware of these challenges. That is why we are continuously developing our specialised R&D team to offer you not only the highest product quality, but also the best advice and knowledge transfer.



TECHNICAL SUPPORT

- ✓ We develop high heat resistant coatings that best fit the customer's requirements, before and after purchase.
- ✓ We provide detailed product information as well as application, processing and maintenance instructions to help our customers achieve excellent performance.
- ✓ Our working instructions provide an overview of the application procedures for our products.



KNOW-HOW TRANSFER

- ✓ Helios Master Classes: a series of unique, high-level training courses, webinars and our renowned IKI symposias.
- ✓ We offer on-site technical training.
- ✓ Regular news on our YouTube Channel.

Toasters, waffle irons and other domestic appliances
Hot-plates
Electrical and gas heating equipments
Smokers, grills, fire bowls
Stoves, fireplaces, stove inserts
Exhausts
Steel slabs
High temperature loaded steel structures
Insulated pipelines

	DRYING	LAYER THICKNESS	SOLID CONTENT	HEAT RESISTANT UP TO
	20 min./200 °C	20–25µ TSD/DFT	ca. 60%	180°C 200°C 250°C THERMODUR 250
	15 min. /180°C	15–30 µm	50%*	300°C THERMODUR 300 TopCoat
	Air drying	15–30 µm	ca. 40%*	400°C 500°C 600°C THERMODUR 600 STAN
	Air drying	20 µm	ca. 60%	650°C THERMODUR Hot-Plate Coating
	Air drying	30 µm	ca. 65%	650°C THERMODUR Marking Paint
	Air drying	15–30 µm	ca. 50%*	350°C without gloss loss 400°C 500°C 600°C Thermodur 600 ASS HSR
	Air drying	15–30 µm	ca. 45%*	400°C 500°C 600°C Thermodur 600 ASS
	Air drying	15–30 µm	ca. 60%*	400°C 500°C 600°C Thermodur 600 ASS HS
	Air drying	15–30 µm	ca. 50% *	400°C 500°C 600°C Thermodur 600 HPNS 1K
	Air drying	70–120 µm	ca. 75%	400°C 500°C 600°C Thermodur 600 ASS BBQ
	Air drying	15–30 µm	ca. 60%	400°C 500°C 600°C Thermodur 600 PURE
	Air drying	15–30 µm	ca. 40%*	400°C 500°C 600°C Thermodur 600 Aqua
	Air drying	70–90 µm	ca. 67%	400°C 500°C 600°C Thermodur 600 ASS EX
	20 min/ 150°C	20–30 µm	ca. 50% *	550°C Chemolit Top Coat
	Air drying	15–30 µm	ca. 65%	550°C Zinkalit
	Air drying	8–15 µm	ca. 12%	980°C Tinderex Ultra Tinderex K 12124
	Air drying	up to 100 µm	ca. 80%	500°C Remosil OM 500
	Air drying	1–2 x 25 µm	ca. 60%	600°C Remosil S Alu
	Air drying	90–140 µm	ca. 70%*	400°C 500°C 600°C Remosil Titanium CUI

*Dependent on the colour shade

THE COLOUR WORLD OF THERMODUR OPENS UP A GREAT VARIETY OF PRODUCT INNOVATIONS!



AWARDS

AWARDS

Rembrandtin has been focusing for many years on quality and sustainability. The company has received numerous awards.

- 2012 European Responsible Care Award
- Since 2011 OHSAS 18001:2007
- 2011 Nomination for Daphne Environmental Award – „Excellent Project“
- 2011 Nomination for Daphne Environmental Award of the City of Vienna
- 2011 Future Award of the City of Vienna – Category „Products and Application“
- 2006 Waste Manager of the Year
- 2000, 1999 Environmental Award of The Austrian Economy
- Since 1998 ISO 14001:2004
- Since 1998 EMAS
- 1997, 1996 Mercur Award
- Since 1995 ISO 9001:2008
- 1995 Ecological Manager of the Month
- Since 1994 Responsible Care Certificate
- 1994 Environmental Award of The Viennese Economy
- 1992 Environmental Oscar



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