

senotherm®
THE HIGH TEMPERATURE COATINGS



TEST IT. HEAT IT.
LOVE IT.

TEST IT. HEAT IT. LOVE IT.

senotherm® is far more than a heat resistant coating. For high temperature, senotherm® offers the widest, most innovative and future-proof range of coating systems including a very high corrosion resistance.

As market leader in Europe and with worldwide availability, senotherm® provides a complete and demand-oriented selection of coating systems – for almost every kind of high thermally stressed surface, for stoves and their inserts, for flues and grills as well as for BBQ-Smokers.



WHAT WE DO!



CLASSIC

senotherm® CLASSIC comprises a comprehensive range of conventional high temperature resistant coating solutions (up to 500°C) for easy and smart processing.



UHT

senotherm® UHT comprises smoke and odour-free Non-Smoker® coatings (up to 600°C) and offers proof of a guaranteed sustainable solution.



UHT-HYDRO

senotherm® UHT-HYDRO comprises water based, high temperature resistant coating solutions (up to 600°C) that are free of smoke and odour and dry already at room temperature.



CLASSIC DEFINES BENCHMARKS.

PROCESS RELIABILITY, ECONOMIC EFFICIENCY AND UP TO 500 °C

The product line senotherm® CLASSIC incorporates a wide range of conventional coating solutions. With a guaranteed “genuine” temperature resistance of up to 500 °C, senotherm® CLASSIC products don’t just protect from corrosion but also remain stable in colour. Their ease of use as well as their support of all conventional coating systems maximises their process reliability and economic efficiency within the whole manufacturing process. For diverse requirements in surface and colour, the CLASSIC series also offers a wide range of colours and metallics. So the individual products of the CLASSIC product line offer a suitable solution for nearly every visual requirement.

This is how senotherm® CLASSIC defines standards for quality, process reliability and economic efficiency.

Basis
Components
Theoretical Coverage
System
Drying
Crosslinking
Recommended film thickness
Solids
Temperature resistance
Aerosol lines
Minimum pre-treatment requirement
Colours

1666

THE ORIGINAL

CLASSIC

The Original! Classic high temperature resistant coating for easy and smart processing

- UP TO 500 °C
- EASY TO USE
- SAFE PROCESSING

solvent based
one
approx 8 m² / kg at 20 µm dry film thickness
one coat (optional two coat with a zinc dust primer for an advanced corrosion protection)
air and oven drying
in a curing oven at 250 °C or during first use
20 +/- 5 µm
approx 28 %
500 °C
1644
degrease
standard colours

1030

THE ORIGINAL

CLASSIC DECOR

Decorative high temperature resistant coating with brilliant and hard surface, available in many colours

- UP TO 400 °C
- GLOSSY & HARD SURFACE
- IDEAL FOR DECORATIVE PARTS

solvent based
one
approx 11 m² / kg at 25 µm dry film thickness
one coat
oven drying; 15 min / 180 °C
in a curing oven at 250 °C or during first use
25 +/- 5 µm
approx 35–55 %
up to 400 °C
touch-up pen on request
degrease
wide range of colours

UHT IT'S A NON-SMOKER®

SMOKE AND ODOUR FREE COMBINED WITH 600 °C TEMPERATURE RESISTANCE

senotherm® UHT includes smoke free and solvent reduced coating systems. As final hardening takes place at room temperature, the end customer doesn't have the inconvenience of smoke and odour during first heating. So senotherm® offers an ideal solution to the end customers' ever increasing sensitivity to health and environmental awareness. With "genuine" temperature resistance up to 600 °C, the products are protect against corrosion and stable in colour.

The senotherm® UHT range of products sends out a clear message for achievable sustainability, both during production process and end customer use.

Basis
Components
Theoretical Coverage
System
Drying
Crosslinking
Recommended film thickness
Solids
Temperature resistance
Aerosol lines
Minimum pre-treatment requirement
Colours



UHT

Fast drying Non-Smoker® Coating with a hard and scratch resistant surface

- UP TO 600 °C
- 0% SMOKE & ODOUR
- ONE COMPONENT SYSTEM

solvent reduced
one
approx 9 – 10 m² / kg at 25 µm dry film thickness
one coat (optional two coat with a zinc dust primer for even better corrosion protection)
air drying, forced drying is possible up to max 50 °C
at room temperature
25 +/- 5 µm
approx 45 %
600 °C
1644
degrease
standard colours



UHT DECOR

Decorative high temperature resistant coating with brilliant and hard surface, available in many colours - Non-Smoker® Coating

- UP TO 350 °C
- 0% SMOKE & ODOUR
- GLOSSY & HARD SURFACE

solvent reduced
one
approx 9 – 11 m² / kg at 25 µm dry film thickness
one coat
air drying, forced drying is possible up to max 70 °C
at room temperature
25 +/- 5 µm
approx 50 – 70 %
up to 350 °C
touch-up pen on request
degrease
wide range of colours

UHT-HYDRO ALWAYS A STEP AHEAD

WATER BASED COATINGS UP TO 600 °C TEMPERATURE RESISTANCE

senotherm® UHT-HYDRO is the first water based, high temperature resistant coating solution up to 600 °C, that dries and hardens completely at room temperature. With UHT-HYDRO, senotherm® is bringing to the market a technological innovation and a genuine vision for the future of high temperature coatings. The surface is noticeably smoother, harder and more sustainable than the usual coating solutions. UHT-HYDRO delivers the highest quality surface. As a Non-Smoker® Coating it is guaranteed to be smoke and odour free during first heating.

What's more, with UHT-HYDRO, senotherm® underlines the position as technology leader and delivers a real high performer. This makes senotherm® UHT-HYDRO the cleanest and highest quality solution for the future.

Basis
Components
Theoretical Coverage
System
Drying
Crosslinking
Recommended film thickness
Solids
Temperature resistance
Aerosol lines
Minimum pre-treatment requirement
Colours

3590

NON-SMOKER® COATING

WATER BASED

HIGH PERFORMER

UHT-HYDRO

Fast drying, water based, extremely high surface hardness - Non-Smoker® Coating

- UP TO 600 °C
- 0% SMOKE & ODOUR
- EXTREMELY HARD SURFACE

water based
two
approx 9 m²/kg at 25 µm dry film thickness
one coat
air drying, forced drying is possible up to max 70 °C
at room temperature
25 +/- 5 µm
approx 53 %
600 °C
1644
degrease and sandblasting
standard colours

2860

NON-SMOKER® COATING

WATER BASED

HIGH PERFORMER

UHT-HYDRO DECOR

Water based, extremely hard glossy surface, available in many colours - Non-Smoker® Coating

- UP TO 400 °C
- 0% SMOKE & ODOUR
- GLOSSY & EXTREMELY HARD SURFACE

water based
three
approx 8 m²/kg at 30 µm dry film thickness
one coat
oven drying; 10 min/ 100 °C object temperature
oven drying; 10 min/ 100 °C object temperature
30 +/- 5 µm
approx 53 %
up to 400 °C
touch-up pen on request
degrease and sandblasting
wide range of colours

OUR PLANET IS EVERYONE'S RESPONSIBILITY

We use our technical expertise to optimize our coating systems intended for stoves, fireplace inserts, hotplates and grills from external influences to provide it a longer and brighter life cycle. From the design of the work processes to the finished product, responsible use of resources is our top priority. Our goals are ambitious and we are continuously working on further improvements to become even more sustainable. This pays off for our customers, the environment and WEILBURGER.



IN WEILBURGER WE TRUST

1



PEOPLE

Safety for employees and partners, social commitment and cooperation with suppliers who are legally, ecologically and ethically beyond doubt. Trust, respect and appreciation are our highest priority.

2



PLANET

Investments in the latest technologies and modern production facilities for the manufacture of waterborne coatings, conversion to renewable energies at most of our sites, and conservation of resources.

3



PROCESS

Reduction of environmentally harmful substances starting at the product development stage, avoidance of hazardous substances in production, being ISO 9001, ISO 14001 and EcoVadis certificated.

4

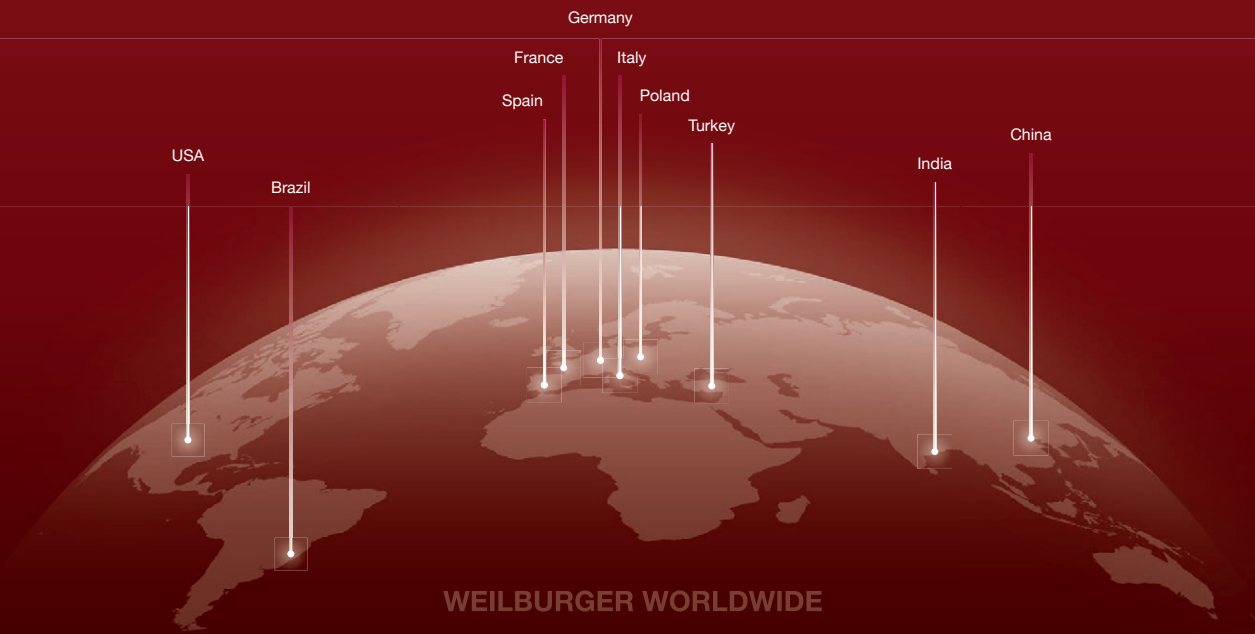


PRODUCT

Effective and innovative development strategies for the production of high-quality and durable coatings, organized resource planning as well as strict quality controls and increased use of water based coating systems.

senotherm[®]

THE HIGH TEMPERATURE COATINGS



senotherm[®] is a brand of WEILBURGER

WEILBURGER Coatings GmbH

Ahaeuser Weg 12-22
D-35781 Weilburg (Germany)
Phone: +49 6471 315-0
Fax: +49 6471 315-116
E-mail: info@weilburger.com
www.senotherm.com

