

TIGER Drylac® low temperature powder coatings

Exterior application:

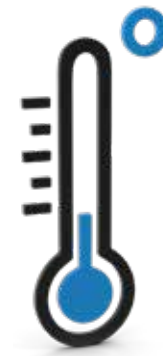
- **TIGER Drylac® Series 40**
Selected products from this series can be formulated both with low temperature properties as well as with outgassing forgiving properties. This results in a targeted reduction of surface finishing damage when coating galvanized parts, cast parts and base steel alloys.
- **TIGER Drylac® Series 59**
This series offers a weather resistant low temperature clear coat for decorative finishing of sports and camping equipment as well as garden furniture, in addition to other exterior applications (except for facade and window elements).
- **TIGER Drylac® Series 280/281**
These low temperature powder coatings are available in both, a durable (Series 280) and a super durable (Series 281) quality. Optimized edge protection, high levels of corrosion resistance and excellent mechanical properties as well as a smooth flow make these product lines especially suited for all types of exterior equipment.

Interior application:

- **TIGER Drylac® Series 89**
This tried-and-tested hybrid solution for use in exhibition construction, machine building and shopfitting is based upon a polyester and epoxy resin blend. The low temperature curing window helps to reduce the CO₂ footprint.

Primer:

- **TIGER Drylac® Series 271**
This high-quality TIGER-SHIELD two-coat system provides long lasting corrosion protection for steel and galvanized steel substrates. TIGER Drylac® Series 271 is an ideal primer for low-temperature coatings.



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Low temperature powder coatings
Energy efficient and economical

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LOW CURE

Powder coatings in energy-saving mode

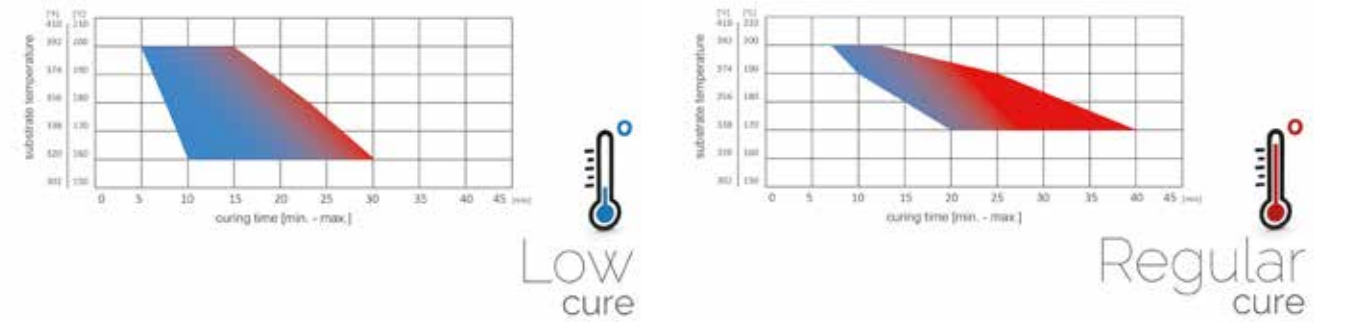
High prices for oil, gas and electricity are raising the issue of energy conservation also for the economy into a new light. After all, low energy consumption means next to ecological aspects above all economic advantages for businesses.

The good news is, there are also savings to be made with powder coatings! Next to conventional powder coatings, which are usually cured at 180 to 200 °C, energy efficient low temperature technologies are also increasingly being used. Low temperature powders require a significantly lower substrate temperature – as low as 140 to 160 °C may be enough. Alternatively, curing may take place at the standard temperature but for a shorter period of time. Lower oven temperatures mean lower oil, gas and/ or electricity consumption resulting in reduced CO₂ emissions. In turn, users benefit from accelerated processing times as the parts reach the desired temperature faster.

An additional advantage: low-temperature powder coatings meet the requirements for corrosion protection of the metal and allow the sustainable coating of massive components which is not always possible at curing temperatures exceeding 180 °C.

Curing conditions: A comparison

The chart on the left shows in which time frames and temperature ranges low temperature powder can be baked. In comparison, the chart on the right demonstrates the difference in required baking temperature and time between regular powder coatings and low temperature products.



TIGER Drylac® low temperature powder: In stock

Product ID	Product name/color	Surface	Curing conditions
271/70100	Primer approx. RAL 7042	SM/GL LL	30 min/140 °C, 15 min/160 °C, 5 min/200 °C
271/70003	Primer RAL 7032	SM/GL LL	30 min/140 °C, 15 min/160 °C, 5 min/200 °C
59/00035	Clear coat	SM/GL LL	10 min/160 °C - 6 min/200 °C
40/00003	Clear glossy - low cure	SM/GL LL	15 min/160 °C - 5 min/200 °C
40/50021	RAL 6005 AGA	SM/SGLM LL	15 min/160 °C - 5 min/200 °C
40/70051	RAL 7016 AGA	SM/SGL LL	15 min/160 °C - 5 min/200 °C
40/75001	RAL 7021 AGA	SM/SGL LL	15 min/160 °C - 5 min/200 °C
40/80031	RAL 9005 AGA	SM/SGLM LL	15 min/160 °C - 5 min/200 °C
89/10100	RAL 9010	SM/GL LL	15 min/160 °C - 8 min/200 °C
89/10140	RAL 9016	SM/GL LL	15 min/160 °C - 8 min/200 °C
89/71260	RAL 7016	SM/SGL LL	15 min/160 °C - 8 min/200 °C
89/71300	RAL 7035	SM/SGL LL	15 min/160 °C - 8 min/200 °C
89/10940	RAL 9002	SM/SGL LL	15 min/160 °C - 8 min/200 °C
89/10950	RAL 9003	SM/SGL LL	15 min/160 °C - 8 min/200 °C
89/80400	RAL 9005	SM/SGL LL	15 min/160 °C - 8 min/200 °C
89/10110	RAL 9010	SM/SGL LL	15 min/160 °C - 8 min/200 °C

GOOD FOR THE ENVIRONMENT AND GOOD FOR YOUR BUDGET!

Product ID	Product name/color	Surface	Curing conditions
89/13130	RAL 9016	SM/SGL LL	15 min/160 °C - 8 min/200 °C
89/10020	RAL 1013	RT/GL LL	10 min/160 °C - 6 min/200 °C
89/40930	RAL 5003	RT/GL LL	10 min/160 °C - 6 min/200 °C
89/40480	RAL 5010	RT/GL LL	10 min/160 °C - 6 min/200 °C
89/40940	RAL 5012	RT/GL LL	10 min/160 °C - 6 min/200 °C
89/41110	RAL 5015	RT/GL LL	10 min/160 °C - 6 min/200 °C
89/71340	RAL 7016	RT/GL LL	10 min/160 °C - 6 min/200 °C
89/71350	RAL 7021	RT/GL LL	10 min/160 °C - 6 min/200 °C
89/70190	RAL 7032	RT/GL LL	10 min/160 °C - 6 min/200 °C
89/70220	RAL 7035	RT/GL LL	10 min/160 °C - 6 min/200 °C
89/70640	RAL 7040	RT/GL LL	10 min/160 °C - 6 min/200 °C
89/10050	RAL 9001	RT/GL LL	10 min/160 °C - 6 min/200 °C
89/10080	RAL 9002	RT/GL LL	10 min/160 °C - 6 min/200 °C
89/10960	RAL 9003	RT/GL LL	10 min/160 °C - 6 min/200 °C
89/80250	RAL 9005	RT/GL LL	10 min/160 °C - 6 min/200 °C
89/10970	RAL 9010	RT/GL LL	10 min/160 °C - 6 min/200 °C
89/10430	RAL 9016	RT/GL LL	10 min/160 °C - 6 min/200 °C
89/71470	RAL 7012	FT/MT LL	10 min/160 °C - 6 min/200 °C
89/70085	RAL 7015	FT/MT LL	10 min/160 °C - 6 min/200 °C
89/71480	RAL 7016	FT/MT LL	10 min/160 °C - 6 min/200 °C
89/71490	RAL 7021	FT/MT LL	10 min/160 °C - 6 min/200 °C
89/71530	RAL 7035	FT/MT LL	10 min/160 °C - 6 min/200 °C
89/71540	RAL 7038	FT/MT LL	10 min/160 °C - 6 min/200 °C
89/70630	RAL 7040	FT/MT LL	10 min/160 °C - 6 min/200 °C
89/11000	RAL 9001	FT/MT LL	10 min/160 °C - 6 min/200 °C
89/11010	RAL 9002	FT/MT LL	10 min/160 °C - 6 min/200 °C
89/11020	RAL 9003	FT/MT LL	10 min/160 °C - 6 min/200 °C
89/11030	RAL 9010	FT/MT LL	10 min/160 °C - 6 min/200 °C
89/80410	RAL 9011	FT/MT LL	10 min/160 °C - 6 min/200 °C
89/10420	RAL 9016	FT/MT LL	10 min/160 °C - 6 min/200 °C
89/80160	RAL 9005	FT/MT LL	10 min/160 °C - 6 min/200 °C
89/00060	Clear coat	SM/GL LL	15 min/160 °C - 5 min/200 °C
89/90380	approx. RAL 9006	MET/SGL A LL	15 min/165 °C - 7 min/200 °C
89/90131	approx. RAL 9006	MET/SGL A LL	15 min/160 °C - 8 min/200 °C
89/92960	Sterling silver	MET/GL A LL	15 min/160 °C - 8 min/200 °C
89/90126	Ikea silver no.4 ca. 9006	MET/GL A LL	15 min/160 °C - 8 min/200 °C
89/90055	approx. RAL 9006	METF/MT A LL	10 min/160 °C - 6 min/200 °C
89/90100	approx. RAL 9007	METF/MT B LL	10 min/160 °C - 6 min/200 °C
Series 271	CLAAS Primer	SM/GL	30 min/140 °C, 15 min/160 °C, 5 min/200 °C
281/70090	CNH Dark Gray	SM/HGL	15 min/160 °C - 5 min/200 °C
281/20001	CNH NH Bright Yellow	SM/HGL	15 min/160 °C - 5 min/200 °C
281/30078	CNH AG Red	SM/HGL	15 min/160 °C - 5 min/200 °C
271/70003	CNH Primer RAL 7032	SM/GL	30 min/140 °C, 15 min/160 °C, 5 min/200 °C
40/25041	Maschio Gaspardo Orange	SM/HGL	15 min/160 °C - 5 min/200 °C
280/30055	Palfinger Red	SM/HGL	15 min/160 °C - 5 min/200 °C
280/30061	Pöttinger Red	SM/HGL	15 min/160 °C - 5 min/200 °C

SM/GL = Smooth glossy | SM/HGL = Smooth highly gloss | SM/SGL = Smooth semi gloss | SM/SGLM = Smooth special gloss
SM/MT = Smooth matte | FT/MT = Fine texture matte | RT/GL = Rough texture glossy | RT/HGL = Rough texture high gloss
MET/GL = Metallic glossy | MET/SGL = Metallic semi gloss | MET/MT = Metallic fine texture matte | LL = Stock list
Metallic effects: please observe the instructions for **Application Categories A – D** acc. to the Technical Information Sheet No. 44.