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**You can surely confirm that customers often ask for paint
 In all RAL-colours, resisting up to 1000 °C**

Let's take a look at some **temperatures** which are present around us

Heating pipes	up to	60 °C
Engine block	up to	130 °C
Exhaust pipes of heating systems	up to	200 °C
Flue pipes	up to	300 °C
Wood or coal oven, external	up to	300 °C
Brake calipers in normal road traffic	up to	300 °C
Exhaust pipes of cars	up to	700 °C

A wood or coal oven often achieves very high temperatures, of course, depending on the handling and the quality of the insulation, but even though, a paint that tolerates 300 °C is sufficient. The burning temperatures of wood and coal are between 400 °C and 800 °C. The flame itself is of course hotter, but these temperatures are inside and not on the outside.

Now, if we compare the above mentioned temperatures with the **melting point** of some metals, we can see that in some cases, the paint layer is expected to last longer, after the metal on which it was applied on has already melted away:



Iron and steel	1500 °C
Cast iron	1200 °C
Copper	1000 °C
Brass	990 °C
Aluminium	660 °C
Zinc	400 °C

We can therefore conclude, that high temp paint resistant up to 300 °C, available in many different colours is in most cases sufficient. Since most pigments don't resist higher temperatures, we have our high temp paint in black and silver for special requirements, based on silicon resin, which resists up to 800 °C.



If **anti-corrosive properties** are desired, or **anti-corrosive properties and final coating in one**, we recommend our **Zinc-Alu or Zinc primer**, resistant up to around 300 °C, or our **Rust converter + final coatings Rostux nitrofest and Rostux 3in1**, available in many different colours. The latter two are resistant up to 300 °C in red-brown, 250 °C in black and 150 °C in the remaining RAL colours.

