



# PLASTIT® Coatings

We offer the following coatings:

RÜBIG PLASTIT® Coatings		Coat thickness	Coat hardness	Colour
DLC Xtended PLASTIT®	DLC	5 - 10 µm	1.000 - 1.500 HV	black
DL coat PLASTIT®	DLC	1 - 3 µm	1.000 - 2.000 HV	black
GOLD LF PLASTIT®	TiN	1,5 - 4 µm	~ 2.000 HV	gold
CARBON LF PLASTIT®	TiCN	1,5 - 4 µm	~ 2.500 HV	purple
BORON Nanocomp PLASTIT®	TiBN	1 - 3 µm	~ 4.500 HV	silver-grey

In order to be able to guarantee top-notch coating of your parts, we kindly ask you to provide us with detailed information about the following points:

→ **Area of application of the component or tool**

→ **Objective for the coating:**

- Less wear
- Better demoulding
- Cycle time reduction
- Reduced corrosion
- Lubricant reduction
- Increased service life
- Improved gliding properties
- Decorative reasons

→ **Material**

→ **Previous heat treatments:**

- Which heat treatment has been performed?
- The annealing temperature must be above the coating temperature, e.g.: 1.2379 special heat treatment

→ **Ideal surface condition:**

- Metallic, bright surface
- No corrosion
- Free from greases, oils, processing aids or drawing and casting marks
- Clean cooling channels

→ **Possible surface preparations:**

- Removal of bonding layer
- Micro-blasting
- Bake out

→ **Production impacts:**

- Avoid grinding burn
- Rectify surfaces impaired by erosion (sand blasting, grinding, polishing ...)
- Minimum possible internal stress

→ **Functional surfaces:**

- Definition of surfaces to be treated
- Specification of floor area for charging