

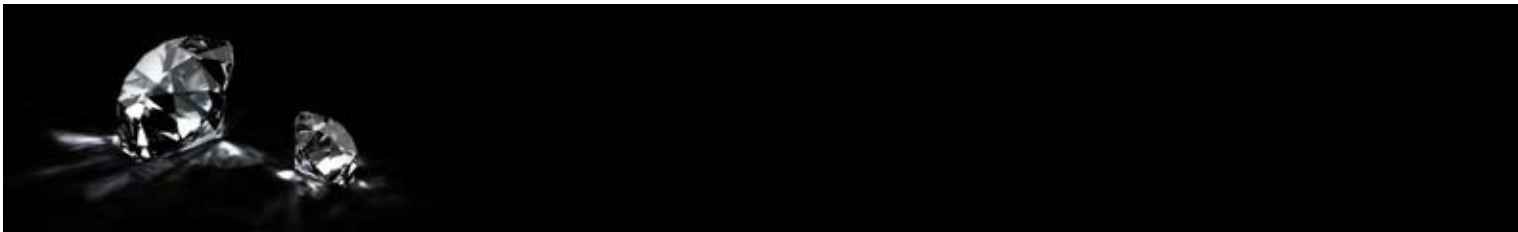


*A particular challenge -
classy and premium grade!*

BLACK - HIGH-GLOSS: Colour psychology rates black as a sign of individuality. Such individuality is also reflected by the areas of application: car interiors, mobile phone housings or MP3 players: This hue has become a colour trend found on many products. Moreover, black gives products an excellent and classy finish as well as an impression of high importance.

In this range, DIEGEL has developed very specific paint systems in response to very specific customer requirements. These systems excel in their durability, with the added bonus of being suitable for laser-marking. Apart from two-layer systems, there are also single-layer paint coats.





PRODUCT VARIANTS

<p>Black Decor Paint D888-9102</p>	<ul style="list-style-type: none"> • For single-layer solvent-based coatings
<p>Laser Basic Paint LB800-9101 and 2-K Protective Paint, transparent high-gloss TC848-005</p>	<ul style="list-style-type: none"> • Two-layer solvent-based coating with good mechanical and chemical resistance and short dust-drying time
<p>1-K Hydro Primer, black PR272b-9001 and 2-K-UV Protective Paint, transparent high-gloss TC890b-0010</p>	<ul style="list-style-type: none"> • Two-layer coating with water-soluble primer and solvent-based UV protective paint • Properties: improved chemical resistance and cream resistance in particular
<p>1-K Hydro Primer, black PR272b-9001 and 2-K-UV Protective Paint, transparent black high-gloss LD890a-9000</p>	<ul style="list-style-type: none"> • Two-layer coating with water-soluble primer and solvent-based UV protective paint • Properties: improved chemical resistance and cream/laser resistance in particular

HYDRO

<p>1-K Hydro Primer, black PR272b-9001 and 2-K Hydro Topcoat, transparent high-gloss TC220-0001</p>	<ul style="list-style-type: none"> • Water-based two-layer coating • Properties: improved chemical resistance and cream resistance in particular
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PROPERTIES

The paint systems provide:

- good adhesion to the plastics used,
- good abrasion resistance and chemical resistance (petrol, alcohol, water, hand creams, perspiration),
- good resistance to various climates (cold, heat, changing temperatures, humid climate),
- good laser etching capability (sharp edges after removing the top coat),
- the solvent-based protective paints excel in their very fast physical surface drying, dramatically reducing rejects and the need for rework caused by secondary impurities.

Due to the large variety of plastics in use, it is imperative to perform tests before starting series production.

PROCESSING

All laser paints can be used safely and economically with standard coating equipment (robots, flat bed, spindle).

However, this hue presents a particular challenge in practical application. There is hardly any other paint application in which secondary impurities are as clearly visible. The coating line must therefore be kept meticulously clean.

Furthermore, the parts to be coated must be absolutely plane and even. Otherwise the coating will look bumpy and the classy appearance of the part is lost. Many practical applications will benefit from a two-layer system because the first coat may level out minor dents and dimples in the surface.

For processing and handling details, please refer to the product's technical information sheet, which we will be happy to provide you with.





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BLACK HIGH-GLOSS (PIANO FINISH)



PLASTICS COATINGS