

The fascinating world of plastic coatings

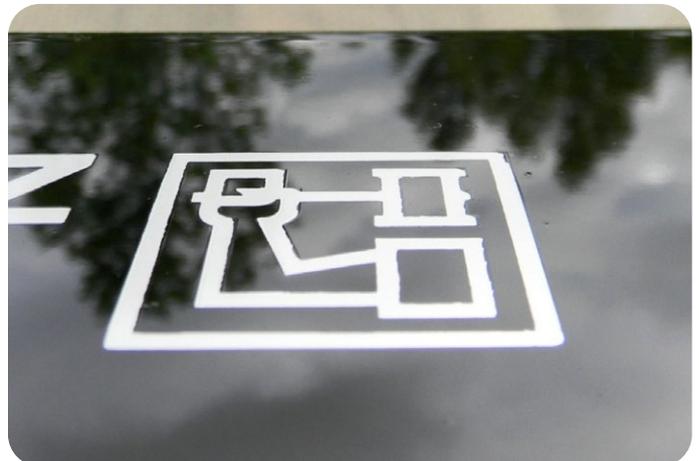
New development – UV-High-Gloss hot stamping

Diegel's newest development is a new generation of multi-functional UV clear coats. Organic applications prepare these transparent lacquers for hot stamping. This functional layer allows bonding colored accentuated foils on black high-gloss surfaces, while maintaining the scratch resistance of displays, keys and touch panels that are demanded for the car interior. Tests accomplished on construction parts prove the harmonic combination of esthetics, functionality and resistances.

Products:

Primer
LI800-9103a

2-comp.-UV-clear coats
TC700-0400a
TC700-0400b



Black High-Gloss: Color psychology rates black as a sign of individuality. Such individuality is also reflected by the fields of application such as car interiors, mobile phone housings or computers. This shade has become a trend color found in many products. Black high-gloss gives products an excellent and noble finish as well as an impression of high quality in many application fields.

In this range DIEGEL has developed a very specific painting system in response to particular customer requirements for car-interior. This system excels in his durability and scratch resistance with the added bonus of being suitable for hot stamping, which increases the creative diversity.

Properties

High-gloss coating systems provide:

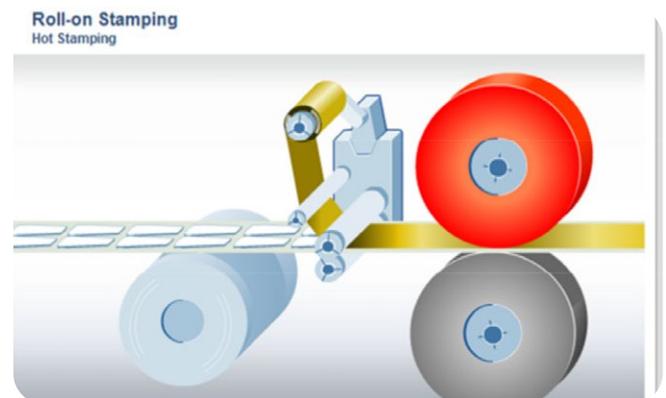
- good adhesion to the plastics used
- good abrasion resistance and chemical resistance (petrol, alcohol, water, hand creams, perspiration)
- good resistance to various climates (cold, heat, changing temperatures)
- this UV painting system stands out for a high photo sensitiveness. After a short illumination with UV light the surface is closed and scratch resistant
- **the UV painting system can be hot stamped during 3-5 days with foils usual in trade!**
- hydrolysis and weather resistant
- hand and sun cream resistant

Hot stamping process

Roll-on stamping offers easy decorating possibilities like two-dimensional plastic surfaces:

- full surface or partial decoration, numerous variations for different decoration requirements, first and second surface decoration

- Unlimited design options for interior and exterior use
- Combined with DIEGEL coatings the requirements of the automobile OEM are met



Processing

All UV coatings can be used safely and economically with standard coating equipment (robots, flat bed, spindle). However this coat 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.

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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