BARIL

sustainable coating solutions

DCC

COLD CURE THIN FILM
HIGH SOLID COATINGS

LIFE-LONG SURFACE PROTECTION
APPLICATION AND ASSEMBLY IN A SINGLE DAY
LOW WEAR AND LOW MAINTENANCE
UP TO 50% CO_2 REDUCTION AND
UP TO 70% VOS REDUCTION

20 YEAR WARRANTY PROTECTION

WE USE MOISTURE FROM THE AIR TO MAKE BETTER COATING

DCC coatings are very low in maintenance. The Dual Cure Chemistry technology guarantees a rapid hardening process, strong bonding, unparalleled wear-resistance, extreme outdoor durability and protection against corrosion. The coating provides a cost-effective and long-lasting protection for objects exposed to outdoor air.

DCC coatings are developed for a very rapid hardening process without adding heat. Dual Cure Chemistry generates very long-lasting protection in thin layers (more with less) while superbly preserving the gloss and colour. DCC coatings ensure exceptionally good protection against all atmospheric influences. After applying and drying at the ambient temperature, it absorbs moisture from the air; the result is that the coating becomes much stronger than the original application – up to a factor of 5! The coating triples the life span compared to existing technologies. This ensures a tremendous reduction in maintenance costs for owners and users (total cost of ownership). In addition, it ensures a high reduction of the CO2 and VOS levels per applied coating system.

These coatings have passed the most intensive tests and practical trials. Test reports show high scores for accelerated weathering, salt spraying, flexibility, impact-resistance, and wear-resistance.
We have patented this technology. With DCC, we have demonstrated that it is possible to combine high quality, processability and durability in a single product.

DCC coating systems
DCC coatings can be used for any specific application on metal and synthetic substrates.

Primers
604 Dualcure Isoprimer
Universal adhesive primer on ferrous and ferrous metals
306X Dualcure ZRU Primer
Extreme anticorrosive zinc-rich primer
348 Dualcure AC Primer
Surface tolerant maintenance primer

Top coats
171i2 Dualcure SX
Glossy aspartic/polyester top coat
172i2 Dualcure RX
Maintenance top coat for use of a brush or roller
173i2 Dualcure LX
Glossy top coat including an extended processing time
174i2 Dualcure Top coat
Extremely sustainable high-gloss top coat
178i2 Dualcure DTM
Semi-glossy direct-to-metal coating

DCC

PATENTED
INTELLECTUAL PROPERTY
INTELLECTUAL PROPERTY

WHAT IS DUAL CURE CHEMISTRY (DCC) COATING TECHNOLOGY?

Chemical reaction
- Rapid drying
- High chemical resistance
- Low temperature

H_2O

Reaction with moisture
- Continuous flexibility
- Improved bonding
- Ultimate mechanical strength

PART A ← → PART B

WHAT DOES DCC COATING TECHNOLOGY DO?

Cost reduction
- Speed of application
- Reduction of layer thickness
- Lower consumption due to a high content of solid substances
- High reduction of energy consumption
- Elimination of the drying process

Reduced impact on the environment
- Low VOS emission
- High content of solid substances
- No thermal drying
- Thin layers (requires less paint)
- Reduction of the carbon footprint

Increased production speed
- Short drying times at normal temperatures
- No additional pre-treatment
- Fewer employees required for the jobs
- No additional logistical actions

Very high durability
- Proven corrosion protection in atmospheric conditions C1-C5i for longer than 15 years
- Two-layer DCC system endures C5 load according to Norsok and Department of Waterways & Public Works (Dutch: RWS) requirements
- Reduction of Total Cost of Ownership
- Negligible gloss reduction
- Highly scratch resistant
- Splendid final finish, easy to spray

VERY RAPID HARDENING PROCESS WITHOUT FORCED DRYING

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