

# DCN 200-90

NC top coat, gloss

Technical information Version

(1.0) 02/26

## Beschreibung

**Areas of application** Fast-drying nitro-combination paint for coating metal (machinery, equipment, structures) in interior and exterior applications, and for coating wood (furniture, wooden structural components) in interior applications.

## Core data

|                               |   |  |                                   |
|-------------------------------|---|--|-----------------------------------|
| <b>Properties</b>             | <b>Delivery viscosity</b>                   | DIN 4 mm 130 - 150 s   |                                   |
|                               | <b>Binder</b>                               | Nitro-acrylic combination  |                                   |
|                               | <b>Density</b>                              | Approx. 1 kg/l   |                                   |
|                               | <b>Solid state</b>                          | 25-30% by weight   |                                   |
|                               | <b>Temperature resistance</b>               | Constant   | 120 °C                            |
|                               |   | exposure:  |                                   |
|                               |   | Short-term   | 150 °C                            |
|                               | <b>Gloss level</b>                          | exposure:  |                                   |
|                               |   |  | > 80 % / 60° (gloss) - DIN 67 530 |
|                               | <b>Storage life</b>                         | Store in well-sealed original container for 2 years at 5 - 25°C. |                                   |
| <b>VOC</b>                    | 78.49 %                                     |  |                                   |
| <b>Processing temperature</b> | From +10° C and up to 80% relative humidity |  |                                   |

## Substrate / Processing

**Substrates**

Iron, steel: Clean, sand where necessary (remove rust, scale, rolling skin) and degrease with silicone remover

Wood: Clean, sand, remove resin secretions and resin pockets; maximum wood moisture: 15%.

|                 |   |                               |             |           |
|-----------------|---|-------------------------------|-------------|-----------|
| Application     | <b>Air / gravity-feed gun</b>   |                               |             |           |
|                 | Pressure (bar)  | Nozzle                        | Spray coats | Dilution  |
|                 | 4 - 5 bar   | 1.3 - 1.5 mm                  | 2 - 3       | 40 - 50 % |
|                 | <b>HVLP</b>   |                               |             |           |
|                 | Pressure (bar)  | Nozzle                        | Spray coats | Dilution  |
|                 | 2.5 - 3 bar   | 1.3 - 1.5 mm                  | 2 - 4       | 40 - 50 % |
|                 | <b>Airless</b>  |                               |             |           |
|                 | Pressure (bar)  | Nozzle                        | Spray coats | Dilution  |
|                 | 120 - 150 bar   | 0.28 - 0.33 mm                | -           | 15 - 20 % |
| Drying at 20 °C | <b>Dust-dry (TG1)</b>   | After approx. 5 - 10 minutes  |             |           |
|                 | <b>Touch-dry (TG4)</b>  | After approx. 10 - 15 minutes |             |           |
|                 | <b>Ready for installation (TG6)</b>   | After approx. 1 hours         |             |           |
|                 | Final hardness is achieved after 2-3 days (20°C).<br>The application of excessively thick coats can increase the drying time significantly. |                               |             |           |
| Structure       | Recommended structure   |                               |             |           |
|                 | Iron, Steel: Appropriately primed<br>Top coat: DCN 200-90 (coat thickness: 20-30 µm)  |                               |             |           |
|                 | Wood:   |                               |             |           |
|                 | Primer: DCN 200-90 (coat thickness: 10-15 µm)<br>Top coat: DCN 200-90 (coat thickness: 20-30 µm)  |                               |             |           |
| Coverage        | 7.2 – 7.6 m <sup>2</sup> /kg<br>(with a dry coat thickness of 20 µm)  |                               |             |           |
| Tool cleaning   | Clean tools immediately after use with nitro thinner.   |                               |             |           |

### Information

**Hazard warnings** For further information see the corresponding EU safety data sheet.

**Important** **Dilution**  
F 8096 universal cellulose thinner Nitro-Universalverdünner  
Depending on type of application: 18-30 seconds DIN 4 mm.

### Further properties

- UV and weather-resistant
- Very short drying time
- High level of hardness
- Soon ready for sanding and polishing

## Quality and environment

swiss  quality

Dold AG was founded on August 01, 1921 by Hans Dold in Wallisellen. Until Dold is still located at the same site and is one of the leading paint and varnish manufacturers in paint manufacturers in Switzerland. In Wallisellen, Dold AG develops and manufactures its innovative range of paints and varnishes for the construction painter as well as for industrial customers.



Swiss paint and varnish factory certified according to ISO 9001 / 14001 / 45001. Dold AG is one of the few one of the few paint and varnish factories which not only has its quality management, management, but also its environmental management system, as well as the occupational safety and health protection processes have been certified. These certifications are a clear commitment for Dold AG towards all its commitment to all its stakeholders.



Environmentally friendly products are a concern for DOLD. The foundation KMU Clima confirms Dold AG's contribution to voluntary climate protection. For this concern all direct emissions of CO<sub>2</sub> in form of electricity, heating and mobility are compensated by DOLD to a reforestation project in Uruguay. This is a long-term contribution to climate protection and for the sake of the environment.

The above information is for general guidance only. The working conditions beyond our control and the large number of different substrates mean that no claims can be made on the basis of this information. In case of doubt, we recommend that you carry out sufficient tests yourself. A guarantee can only be given for the consistently high quality of our products. All previous editions of this data sheet hereby lose their validity.