# Technical data sheet
# NOVAKRYL 5200 2.1
## Acrylic clearcoat

**PROPERTIES**

NOVAKRYL 5200 2.1 is a two component high solid clearcoat designed for use on multi-panel and overall refinishing. Clearcoat provides easy applications, non-sag properties, high gloss and long term durability. It is designed to meet the most stringent VOC regulations in both the U.S. and Canada.

**RELATED PRODUCTS**

| | |
|---|---|
| HARDENER 5000 FAST | Fast hardener for clearcoat (55° - 68°F / 13° - 20°C) |
| HARDENER 5000 STANDARD | Standard hardener for clearcoat (65° - 77°F / 18° - 25°C) |
| HARDENER 5000 SLOW | Slow hardener for clearcoat (75° - 95°F / 24° - 35°C) |

**SUBSTRATES**

Compatible with the majority of solvent and waterborne basecoats available on the market.

**MIXING RATIO**

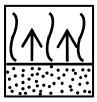
| | Volume ratio | Weight ratio |
|---|---|---|
| NOVAKRYL 5200 2.1 | 2 | 100 |
| HARDENER 5000 | 1 | 55 |

**APPLICATION CONDITIONS**

It is recommended to apply the clearcoat at a temperature above 68°F / 15°C and a humidity of no more than 80 %.
Under such conditions, the cured coating can be used after no less than 12 hours.

**APPLICATION**

| | | Tip size | Pressure | Distance |
|---|---|---|---|---|
| CAUTION: Instructions of the equipment manufacturer must be followed. | Conventional gravity fed spray gun | 1.3 ─ 1.4 mm | 45 ─ 55 psi | 6 ─ 8 inches |
| | Low-pressure gravity fed spray gun | 1.3 mm | 28 psi | 3 ─ 6 inches |
| | Number of coats | 2 | | |
| | Dry film build per coat | 1.0 ─ 1.2 mils | | |
| | Final recommended film build | 2.0 ─ 2.5 mils | | |
| | Pot life at 68°F / 20° C | 1 hour | | |

| | | |
|---|---|---|
|  | Flash off between coats<br>at 68°F / 20°C | 10 - 15 min |

| **CURING TIMES** | | |
|---|---|---|
| | 68°F / 20°C | 140°F / 60°C |
| Dust-free | 25 min | 5 min |
| Tack-free | 3 hours | 10 min |
| Operating hardness | 12 hours | 30 min |
| Ending hardness | 7 days | 30 min + 3 days at 68°F / 20°C |
| CAUTION: The curing times apply to the temperatures of the individual elements. | | |

| **IR DRYING** | | |
|---|---|---|
|  | Distance<br><br>Time depending on the type and power of the lamp | Follow the recommendations of the equipment manufacturer<br><br>10 ─ 25 min |
| CAUTION: Start IR heating no sooner than 10 mins after applying the last layer. | | |

| **EQUIPMENT CLEANING** | |
|---|---|
| Acrylic thinner or NC solvent. | |

| **REGULATORY DATA** | |
|---|---|
| Volume Ratio | 2:1 |
| Applicable Use Category | Clear Coating |
| VOC Actual (g/l) | 163 |
| VOC Actual (lbs/gal) | 1.36 |
| VOC Regulatory (g/l)<br>Less water less exempt | 249 |
| VOC Regulatory (lbs/gal)<br>Less water less exempt | 2.07 |
| Density (g/l) | 1151 |
| Density (lbs/gal) | 9.6 |
| Volatiles wt. % | 56.7 |
| Water wt. % | 0.0 |
| Exempt wt. % | 42.5 |
| Water vol. % | 0,0 |
| Exempt vol. % | 37.0 |
| Solids vol. % | 44.0 |

| STORAGE CONDITIONS | |
|---|---|
| Store in a cool dry room, away from sources of fire and heat.<br>Avoid direct exposure to sunlight. | |
| **SHELF LIFE** | |
| NOVAKRYL 5200 2.1 | 24 months at 68°F / 20°C |
| HARDENER 5000 standard, slow | 18 months at 68°F / 20°C |
| HARDENER 5000 fast | 12 months at 68°F / 20°C |
| **SAFETY** | |
| See Safety Data Sheet. | |
| **OTHER INFORMATION** | |
| Registration number: 000024104.<br>The effectiveness of our systems results from laboratory research and many years of experience. The data contained herein meets the current knowledge about our products and their application potential. We ensure high quality, provided the user follows the instructions and the work is performed in accordance with good workmanship. It is necessary to do a test application of the product due to its potentially different reaction with different materials. We may not be held liable for defects if the final result was affected by factors beyond our control. | |