








Technical data sheet

NOVAKRYL 530 MAT

Matt acrylic clearcoat

Two-component matt acrylic clearcoat with increased scratch resistance (SR)

| PROPERTIES | | | |
|---|---|--------------|--------------|
| NOVAKRYL 530 MAT – a matt acrylic clearcoat that is highly scratch resistant (SR). The clearcoat has a high hardness and weather resistance. It is available in versions with the slow, standard or fast hardener; the selection of specific hardener depends on the application conditions. It is possible to adjust the matt level by adding any Professional glossy clearcoat at a suitable ratio to NOVAKRYL 530 MAT. | | | |
| RELATED PRODUCTS | | | |
| H 5120 | Hardener Standard, Fast and Slow. | | |
| THIN 850 | Acrylic thinner Standard, Fast and Slow | | |
| PLUS 770 | Elasticity increasing agent | | LT-04-01 |
| PLUS 750 | Acrylic accelerating agent | | LT-04-02 |
| PLUS 760 | Antisilicone additive | | LT-04-04 |
| SUBSTRATES | | | |
| Compatible with the majority of solvent and waterborne basecoats available on the market. | | | |
| MIXING RATIO | | | |
|  | NOVAKRYL 530 MAT | Volume ratio | Weight ratio |
| | H 5120 | 2 | 100 |
| | THIN 850 | 1 | 47 |
| | | 10% ÷ 20% | 8 ÷ 16 |
| Apply the thinner in the amount calculated for the clearcoat. | | | |
| Application notes: The longer the curing time is, the less is the coat prone to clouding, especially on large surfaces at high temperatures. Using a slow thinner and a higher thinning rate improves the distribution of the matting additives in the coat. | | | |
| VISCOSITY | | | |
|  | DIN 4/20°C | 14 ÷ 21 s | |
| CONTENT OF VOLATILE ORGANIC COMPOUNDS | | | |
| VOC II/B/e limit* | | 840 g/l | |
| Actual VOC content | | 545 g/l | |
| * For ready to use mixture acc. to EU Directive 2004/42/CE | | | |

| APPLICATION CONDITIONS | | | | |
|---|--|---|-----------------|----------------------|
| It is recommended to apply the clearcoat at a temperature above 15°C and a humidity of no more than 80 %. Under such conditions, the cured coating can be used after no less than 14 hours. | | | | |
| APPLICATION | | | | |
|  <p>CAUTION: Instructions of the equipment manufacturer must be followed.</p> | Conventional gravity fed spray gun | Nozzle | Pressure | Distance |
| | | 1.3 – 1.4 mm | 3 – 4 bar | 15 – 20 cm |
| | Low-pressure gravity fed spray gun | 1.2 – 1.3 mm | 2 bar | 10 – 15 cm |
|  | Number of layers | 2 – 3 | | |
| | Single dry layer thickness | 20 – 30 µm | | |
| | The yield of the ready to use mixture for the given range of dry layer thickness | 7.2 m ² /l at 50 µm | | |
|  | Mixture life at 20°C | H 5120 Slow, Standard | | |
| | | 2 h | | |
|  | Flash off between layers at 20°C | 5 – 10 min | | |
| CURING TIMES | | | | |
| | H 5120 Slow | | H 5120 Standard | |
| | 20°C | 60°C | 20°C | 60°C |
| Dust-free | 40 min | 6 min | 35 min | 5 min |
| Tack-free | 4 h | 15 min | 3.5 h | 10 min |
| Operating hardness | 14 h | 45 min | 14 h | 45 min |
| Ending hardness | 7 days | 45 min + 3 days/20°C | 7 days | 45 min + 3 days/20°C |
| CAUTION: The curing times apply to the temperatures of the individual elements. | | | | |
| IR DRYING | | | | |
|  | Distance Time depending on the type and power of the lamp | Follow the recommendations of the equipment manufacturer 10 – 25 min | | |
| CAUTION: Start IR heating no sooner than 10 mins after applying the last layer. | | | | |

| THIN 850 ACRYLIC THINNER | | | |
|---|--------------------------------------|--------------------------------------|----------------------------------|
| Surface | 15 — 20°C | 20 — 25°C | 25 — 35°C |
| Small 1-2 elements, spot repair | H 5120 Standard THIN 850 Standard | H 5120 Standard THIN 850 Standard | H 5120 Standard THIN 850 Slow |
| Medium 3-5 elements | H 5120 Standard THIN 850 Standard | H 5120 Standard THIN 850 Slow | H 5120 Standard THIN 850 Slow |
| Large more than 5 elements | H 5120 Standard THIN 850 Standard | H 5120 Standard THIN 850 Slow | H 5120 Slow THIN 850 Slow |
| GLOSS LEVELS WITH CLEARCOATS | | | |
| Mixing volume ratio: Novakryl 530 MAT matt clearcoat / Novakryl 570, 580, 590 | | | Gloss level |
| 75 / 25 | | | Semi-gloss |
| 90 / 10 | | | Semi-matt |
| 100 / 0 | | | Matt |
| Due to the various versions of acryl coats, varying gloss levels can be obtained. It is recommended to do a test spray to check the obtained gloss. | | | |
| EQUIPMENT CLEANING | | | |
| THIN 850 acrylic thinner or NC solvent. | | | |
| STORAGE CONDITIONS | | | |
| Store in a cool dry room, away from sources of fire and heat. Avoid direct exposure to sunlight. | | | |
| SHELF LIFE | | | |
| NOVAKRYL 530 MAT | 24 months/20°C | | |
| H 5120 Standard, Slow | 18 months/20°C | | |
| H 5120 Fast | 12 months/20°C | | |
| THIN 850 | 24 months/20°C | | |
| SAFETY | | | |
| See Safety Data Sheet. | | | |
| OTHER INFORMATION | | | |
| Registration number: 000024104. | | | |
| 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. | | | |

| ADDITIONAL INFORMATION | | | |
|--|------------------|--------|----------|
| WEIGHT QUANTITY OF COMPONENTS: 2+1+10% | | | |
| CAUTION! | | | |
| In order to obtain a paint coating with appropriate parameters it is very important to exactly dose the individual components. | | | |
| Mixture quantity | NOVAKRYL 530 MAT | H 5120 | THIN 850 |
| 0.10 l | 65 g | 31.6 g | 5.6 g |
| 0.15 l | 98 g | 47 g | 8 g |
| 0.20 l | 130 g | 63 g | 11 g |
| 0.25 l | 163 g | 79 g | 14 g |
| 0.30 l | 195 g | 95 g | 17 g |
| 0.40 l | 260 g | 126 g | 22 g |
| 0.50 l | 325 g | 158 g | 28 g |
| 0.75 l | 488 g | 237 g | 42 g |
| 1.00 l | 650 g | 316 g | 56 g |

| ADDITIONAL INFORMATION | | | |
|--|------------------|--------|----------|
| WEIGHT QUANTITY OF COMPONENTS: 2+1+20% | | | |
| CAUTION! | | | |
| In order to obtain a paint coating with appropriate parameters it is very important to exactly dose the individual components. | | | |
| Mixture quantity | NOVAKRYL 530 MAT | H 5120 | THIN 850 |
| 0.10 l | 61 g | 30 g | 10.5 g |
| 0.15 l | 92 g | 45 g | 16 g |
| 0.20 l | 122 g | 60 g | 21 g |
| 0.25 l | 153 g | 74 g | 26 g |
| 0.30 l | 184 g | 89 g | 31 g |
| 0.40 l | 245 g | 119 g | 42 g |
| 0.50 l | 306 g | 149 g | 52 g |
| 0.75 l | 459 g | 223 g | 78 g |
| 1.00 l | 612 g | 298 g | 105 g |