

# ALPOCRYL KLARLACK 5453-10

Solvent-based, grain-accentuating 2C primer and top coat for top-class interiors



ALPOCRYL KLARLACK 5453-10 is a fast-drying, solvent-based, grain-accentuating 2C primer and top coat for top-class interiors. Can be used on wood that has been bleached with peroxide. The product can also be processed on spraying lines with forced drying.



## TECHNICAL DATA

|   |  |
|---|--|
| <b>Certificates, approvals and classification</b> | EN 13501-1, EN 71-3  |
| <b>Fields of application</b>                      | Bathroom, Furniture, Kitchen, Kitchen furniture, Interior doors  |
| <b>Binder</b>                                     | Acrylate   |
| <b>Solids</b>                                     | Approx. 27% by weight  |
| <b>Volatile organic compound (VOC)</b>            | Approx. 699 g/l (DIRECTIVE 2010/75/EU)<br>The VOC value provided is the average value for factory produced products, and consequently it will be subject to variations between individual products covered by this Technical Data Sheet. |
| <b>Theoretical spreading rate</b>                 | 120 g/m <sup>2</sup> ; 8.3 m <sup>2</sup> /kg  |
| <b>Colours</b>                                    | Colourless.  |
| <b>Gloss (60°)</b>                                | 10   |
| <b>Hardener</b>                                   | Comp. B: UNIPUR 279 1910-99  |
| <b>Mixing ratio (A:B)</b>                         | 10:1 parts by volume   |
| <b>Pot life, +23 °C</b>                           | 8 h  |
| <b>Thinner</b>                                    | VERDÜNNER 0950-98, VERDÜNNER 1300-98.  |
| <b>Density</b>                                    | Approx. 0.95 g/ml  |
| <b>Storage</b>                                    | Storage temperature is +5 °C - +30 °C. Store in a tightly closed container.  |

## DIRECTION FOR USE

|                            |  |
|----------------------------|--|
| <b>Surface preparation</b> | Every substrate must be well-cleaned, dry and free from grease and oil. Coating removal: Sand, strip |
|----------------------------|--|

### Application method

Conventional spraying, HVLP spraying, Airless spraying, Air-assisted airless spraying

On MDF boards with a density of below 700 kg/m<sup>3</sup> the surface must be pre-isolated with ALPOLAN UNIVERSALGRUND 2420-00. Strengthen the edges or milled grooves with ALPOLAN UNIVERSALGRUND 2420-00. Moisture-resistant wood based materials must be used for rooms with a high moisture exposure (e.g. kitchens, bathrooms etc.). This product should not be used on horizontal surfaces in these areas.

### Application

Stir or shake the product well for several minutes before use, if necessary by machine.

| APPLICATION ADVICE   |                        |          |              |                          |              |
|--|------------------------|----------|--------------|--------------------------|--------------|
| Wood substrate raw   |                        |          |              |                          |              |
|  | Product                |          |              | Applied Quantity         |              |
| Presanding   | With grain 150-180     |          |              |                          |              |
| Stain  | stain if required      |          |              |                          |              |
| Primer   | ALPOCRYL KLARLACK 5453 |          |              | 120-150 g/m <sup>2</sup> |              |
| Intermediate sanding   | With grain 220-280     |          |              |                          |              |
| Recoating  | ALPOCRYL KLARLACK 5453 |          |              | 120-150 g/m <sup>2</sup> |              |
| MDF / HDF raw and veneered                                       |                        |          |              |                          |              |
|  | Product                |          |              | Applied Quantity         |              |
| Presanding   | With grain 180-220     |          |              |                          |              |
| Primer   | ALPOCRYL KLARLACK 5453 |          |              | 120-150 g/m <sup>2</sup> |              |
| Intermediate sanding   | With grain 220-280     |          |              |                          |              |
| Recoating  | ALPOCRYL KLARLACK 5453 |          |              | 120-150 g/m <sup>2</sup> |              |
| Intermediate sanding   | With grain 220-280     |          |              |                          |              |
| Recoating  | ALPOCRYL KLARLACK 5453 |          |              | 120-150 g/m <sup>2</sup> |              |
| For further application proposals please ask our representative. |                        |          |              |                          |              |
| APPLICATION  |                        |          |              |                          |              |
|  | Viscosity<br>DIN 4 mm  | Dilution | Nozzle in mm | Pressure in bar          | Spray Cycles |
| Gravity Feed Gun   | 16-18"                 | 20 %     | 1.4-1.8      | 3-4                      | 2            |
| Airless- (Airmix)<br>Spray Application                           | 18-22"                 | 10 %     | 0.15-0.23    |                          | 2            |
| HVLP   | 16-18"                 | 20 %     | 1.4-1.8      | 3-4                      | 2            |

### Application conditions

Recommended temperature for surroundings and product: +15°C-25°C. Do not apply below +10°C.

|                    |   |
|--------------------|---|
| <b>Drying time</b> | +23°C / 50% RH (dry film 20 µm)   |
| - dust free        | after 10 minutes  |
| - touch dry        | after 20 minutes  |
| - overcoatable     | after 3 hours   |
| - fit for sanding  | after 3 hours   |
| - through dry      | after 10-14 days  |
|                    | Before forced drying, allow a flash-off time of at least 15 minutes.                        |
|                    | At 80°C fully dry after: 30 minutes   |
|                    | At 100°C fully dry after: 15 minutes  |
| <b>Cleaning</b>    | Wash the equipment immediately after use. VERDÜNNER 1000-98 or UNIVERSALREINIGER U 8600-98. |

## HEALTH AND SAFETY

|                                       |   |
|---------------------------------------|---|
| <b>Safety and precaution measures</b> | See safety data sheet.  |
| <b>First aid</b>                      | We recommend wearing personal protective clothing even in cases where no local regulations are in force.<br>CH: The precautions according to local regulations (SUVA) with respect to hygiene and equipment must be observed. |

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