

# Technical Data Sheet

**ED1450-9003**

Laqvin Prime

## Product description

Waterborne primer for exterior finishing designed especially for HDF faced exterior doors. ED1450 provides a flexible finish with good outdoor durability. Characteristic for this primer is the fast drying and excellent flow requiring minimal sanding. For best results use ED1450 in combination with exterior topcoat EG1515.

## Product data

|                             |           |   |  |
|-----------------------------|-----------|---|--|
| <b>Gloss:</b>               | <15       | Gardner 60°   |  |
| <b>Solid content:</b>       | 60 ±1     | [weight %] theoretical  |  |
| <b>Specific gravity:</b>    | 1410 ±30  | [kg/m <sup>3</sup> ]  |  |
| <b>Viscosity:</b>           | 70-76     | [KU] Stormer  | test performed at 23 °C  |
| <b>pH:</b>                  | 7-9,5     |   |  |
| <b>Frost sensitive:</b>     | Yes       |   |  |
| <b>Storing:</b>             | 12 months | At 5-30 °C  | Storing at higher temperature reduces shelf life, do not expose to direct sunlight |
| <b>Process Temperature:</b> | 18-30 °C  | To achieve the best result and consistency follow the application and surface temperatures given in Schedule of Application for each specific technology and production line. |  |

## Mixing/Application

| Recommended application method | Hardener        | Amount hardener [Parts by vol] | Diluant | Application viscosity | Application amount [g/m <sup>2</sup> ] | Notes |
|--------------------------------|-----------------|--------------------------------|---------|-----------------------|--|-------|
| Air mix spraying               |                 |                                | Water   | Del. Viscosity        | 150-200                                |       |
| Air less spraying              |                 |                                | Water   | Del. Viscosity        | 150-200                                |       |
| High speed bell/disc           |                 |                                | Water   | Del. Viscosity        | 150-200                                |       |
| Conventional spraying          | Not recommended |                                |         |                       |  |       |
| <b>Stir well before use!</b>   |                 |                                |         |                       |  |       |
| <b>Cleaning:</b>               | Water<br>XX699  |                                |         |                       |  |       |

## Drying

| Method        | Drying condition       | Drying time   | Notes       |
|---------------|------------------------|---------------|-------------|
| Air Drying    | Room temperature 20 °C | > 2 hours     | To handling |
| Forced drying | 30-40 °C               | 60 minutes    | To handling |
| Forced drying | 40-50 °C               | 40-50 minutes | To handling |
| IRM           | Not recommended        |               |             |

All kind of drying requires good ventilation and circulation

Do not stack before surface temperature below 30 °C

Exterior products: should not be exposed to water, water condensation or temperatures below 0 °C with in 48 h after application

## Curing

| UV-dose          | Min UV dose [mJ/cm <sup>2</sup> ] | Rec min Peak. [mW/cm <sup>2</sup> ] | Min UV dose [mJ/cm <sup>2</sup> ] | Rec min Peak. [mW/cm <sup>2</sup> ] |
|------------------|-----------------------------------|-------------------------------------|-----------------------------------|-------------------------------------|
|                  | Hg lamps (280-320 nm)             | Hg                                  | Ga lamps (390-450 nm)             | Ga                                  |
| <b>Full cure</b> | N/A                               |                                     |                                   |                                     |
| <b>Semi cure</b> | N/A                               |                                     |                                   |                                     |

Note - Required Peak/Energy is depending on several factors, such as substrate, amount of application, number of layers and type of UV oven / reflectors. Recommended Peak/Energy values will be stated in the finishing instruction/process control submitted by technician.

## General information

According to Swedish legislation we provide information regarding dangerous materials. The Safety Data Sheet contains facts about the components, primarily solvents and acids which present the dangerous characteristics. The Safety Data Sheet will be sent on request. All values and recommendations above are to be considered as guidance only. Many factors beyond our control may have an influence on the coating result. Should a problem arise, please contact us and we will advise accordingly. We reserve the right to alter the above specifications.

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