

### Areas of application

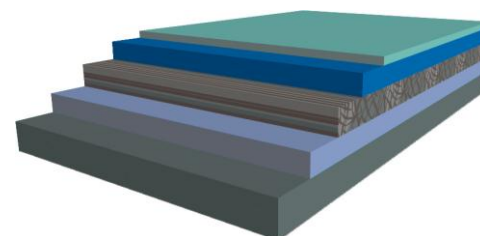
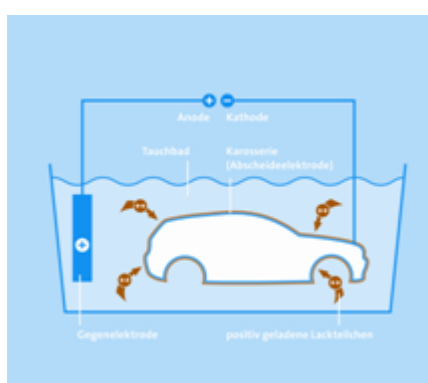
Laminate coating for tank and apparatus construction for extremely heavy corrosion protection with low concentrated inorganic acids and bases or organic acids and solvents. The coating will be particularly used where a durable electrical insulation is required. BÜCOLIT® V25 has developed to be world-wide standard in the scope of electro-chemical paint shops.

### System characteristics

- Excellent and durable electrical insulation properties
- Very high diffusion resistance
- Very good resistance to solvents
- Paint compliant and paint resistant, approved by all paint producers

### Application range

- Paint dip-tanks
- Top coat plants
- Collecting cups
- Storage tanks



- sealing
- surface layer
- boost layer
- benefit layer
- metal underground

### Suitable surfaces / surface preparation

BÜCOLIT® V25 is suitable for coating of steel (also special steels). The surfaces must be subject to the requirements DIN 14879. The areas must show a standard purity of min. SA 2 ½ in accordance with DIN EN ISO 12944, part 4, and a roughness R<sub>z</sub> of 50-70 µm (DIN EN ISO 8503-2).

### Mix ratio / curing time

The resin mixing ratio resin: hardening compound is 100: 2 parts by weight. At a processing temperature of around 20 °C, the gel time amounts to approx. 60 minutes. The curing time of the coating at room temperature prior to further processing is approx. 6 hours. Under these circumstances initiation of the plant can take place after approx. 12 hours. By thermal treatment (30-40°) this time period can be reduced. During the coating works any direct sunlight must be avoided.

### Usage

#### Consumption rates for application with standard layer thickness (ca. 2.0 mm):

- |  |                       |
|--|-----------------------|
| • BÜCOLIT® V25 –laminating resin           | 0,4 kg/m <sup>2</sup> |
| • BÜCOLIT® V25 -sealing (pure white)       | 4,8 kg/m <sup>2</sup> |
| • BÜCOLIT® V25 -final sealing (pure white) | 0,5 kg/m <sup>2</sup> |

*The layer thickness may vary depending on the operating conditions.*

### Form of delivery

- |   |               |
|---|---------------|
| • BÜCOLIT® V25 –laminating resin          | 20 kg package |
| • BÜCOLIT® V590 GP –sealing (pure white)  | 20 kg package |
| • BÜCOLIT® V25 -Versiegelung (pure white) | 25 kg package |
| • BÜCOLIT® Hardener No. 2                 | 1 kg package  |



### Material characteristic data of the resin in condition as delivered

- |              |                |              |
|--------------|----------------|--------------|
| • flashpoint | 34 °C          | DIN 53 213/1 |
| • form       | liquid         |              |
| • smell      | after styrenel |              |

### Mix ratio / curing time

- |                                 |                  |                     |
|---------------------------------|------------------|---------------------|
| • Curing time                   | resin : hardener | 100 : 2 weight part |
| • Gel time                      | at 20 °C         | ca. 60 minutes      |
| • Curing time before processing |                  | ca. 6 minutes       |
| • Implementing of the plant     | earliest         | ca. 12 hours        |

### Temperature resistance / chemical resistance

- |                           |  |                               |
|---------------------------|--|-------------------------------|
| • Temperature resistance  |  |                               |
| • wet liability           |  | 70 °C                         |
| • dry liability           |  | 160 °C                        |
| • Temperature change load |  | 2 K/min                       |
| • Chemical resistance     |  | reliability table / on demand |

### Characteristics of the hardened coating (Vinylester // Polyester)

- |                      |                       |              |
|----------------------|-----------------------|--------------|
| • Barcol-units       | 35 scale division     | DIN EN 59    |
| • Adherence of steel | ≥ 5 N/mm <sup>2</sup> | DIN ISO 4624 |
| • Fire performance   | B2                    | DIN 4102-4   |

### Test data

- |                               |                 |            |
|-------------------------------|-----------------|------------|
| • Leak test (spark induction) | 0,5 KV / 100 µm | DIN 53 505 |
|-------------------------------|-----------------|------------|

### Storage and handling

- |                       |  |
|-----------------------|--|
| • Storage temperature | 20 ± 5 °C                                |
| • Storage climate     | closed, cool and protected from sunlight |
| • Storage stability   | 6 months in unopened original packages   |