



**Industrial coating**

**2K Hydro soft feel lacquer, black**

**Bayhydrol U 2757 and Desmodur ultra N 3600//Bayhydur ultra 2655**

| Basis              | Polyurethane  |     |             |
|--------------------|---|-----|-------------|
| <b>Component A</b> | Guide Formulation of Covestro                       |     | SF-0025e-TC |
|                    | Bayhydrol U 2757                                    | (1) | 49.8        |
|                    | Demineralized water                                 |     | 20.0        |
|                    | Lucrafoam DNE 01                                    | (2) | 0.2         |
|                    | Byk-348   | (3) | 0.5         |
|                    | Tego-Wet KL 245, 50 % in water                      | (4) | 0.3         |
|                    | Aquacer 535   | (3) | 1.5         |
|                    | SILLITIN Z 86                                       | (5) | 5.3         |
|                    | Microcalc IT Extra                                  | (6) | 4.2         |
|                    | Kremer Color Paste – Lamp Black                     | (7) | 4.4         |
| Acematt 3300       | (8)   | 2.9 |             |
| <b>Component B</b> | Desmodur ultra N 3600 / Bayhydur ultra 2655 (70:30) | (1) | 10.9        |
|                    | 75 % in 1-methoxy-2-propylacetate                   |     |             |
| Total % by weight  |   |     | 100.0       |

**Mixing**

The raw materials of Component A (except Acematt 3300) are predispersed in a dissolver in the order in which they are given in this formulation. Then they are ground in a laboratory shaker ('Red Devil') for max. 25 min. The temperature of the Bayhydrol component should not exceed 40°C. Then Acematt 3300 is stirred in for approx. 10 min.

After mixing component A and B, the formulation is thinned for spraying application to an efflux time of approx. 30 s (5 mm flow cup, DIN EN ISO 2431).

|                                   |                  |      |
|-----------------------------------|------------------|------|
| <b>Composition in % (approx.)</b> | Binder           | 35.6 |
|                                   | Water            | 45.0 |
|                                   | Co-solvent       | 2.7  |
|                                   | Pigment / Filler | 14.2 |
|                                   | Additives        | 2.5  |



SF-0025e-TC

**Technical Data**

|          |                |
|----------|----------------|
| NCO / OH | approx. 1.5    |
| Pot life | approx. 60 min |
| pH       | 7.5            |

Recommended drying:  
10 min flash-off time, 30 min 80°C + 16 h 60°C (or 72 h at room temperature)

**Suppliers**

- (1) Covestro
- (2) Levaco
- (3) Byk Chemie
- (4) Evonik Tego Chemie
- (5) HOFFMANN MINERAL
- (6) Elementis
- (7) Kremer Pigmente
- (8) Evonik Industries

Our applications engineering advice and the information contained in this formulation are based on experience and are made to the best of our knowledge and belief, they must be regarded however as non-binding advice without guarantee. Working and employment conditions over which we have no control exclude any damage claim arising from the use of our data and recommendations. Furthermore we cannot assume any responsibility for patent infringements, which might result from the use of our information.