

# Certification Report



Item Number **5320**

Manufacturing date **14.03.2017**

Charge No. **0032176**

Name

## Ha-Be Color Schwarz 320

Application

Liquid colours for colouring concrete. acc. EN 12878:2005 + AC:2006

|                                    | Target          | Measured    |
|------------------------------------|-----------------|-------------|
| State                              | liquid          | liquid      |
| Colour                             | black           | black       |
| Density in g/cm <sup>3</sup>       | 1,50 - 1,60     | 1,55        |
| Dry substance in mass-%            | 44,0 - 48,0     | 46,4        |
| pH-value                           | 7,0 - 11,0      | 9,9         |
| Color intensity (1)                | 100 +/- 5 %     | passed      |
| Color difference (1)               | $dE^* \leq 1,5$ | passed      |
| Water-soluble substances in mass-% | < 4,00          | Kategorie B |
| Chlorid content in mass-%          | < 0,10          | Kategorie B |

(1) Checked against valid standard

The product meets the requirements for the CE marking in accordance with EN 12878 annex ZA for the category B and is suitable for use in reinforced concrete

---

This document was created automatically 04.04.2017 and is valid without signature