



Production of Aluminium, Bronze and Copper  
in Powder, Paste and Granules

## TECHNICAL DATA SHEET

**revision n°:** 01 (date 1-6-2017), supersedes n°- (date -) **Ident. N°:** AVL\_TDS\_S\_EN\_APACBR\_AM4\_DEG4C\_70\_v01

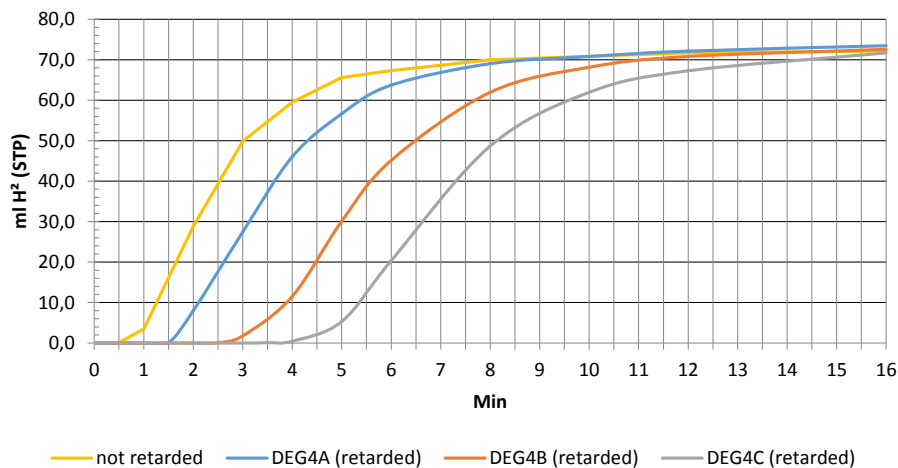
**PRODUCT TYPE:** ALUMINIUM PASTE for LIGHTWEIGHT CONCRETE with retarded reaction

**PRODUCT NAME:** AM4/DEG4C/70-30

**PRODUCT DESCRIPTION:** Flake Metal Paste for lightweight concrete based on Aluminium with diethylene glycol

| Inspection Criteria   | Unit               | Lower lim. Value | Upper lim. Value | Test method                               |
|---|--------------------|------------------|------------------|---|
| inspection criteria marked * are based upon powder analysis |                    |                  |                  |   |
| Purity of metal   | %                  | 99               | -                |   |
| <b>Particle Size Distribution</b>                           |                    |                  |                  |   |
| D10*  | µm                 | 10               | 14               | laser diffraction by Sympatec HELOS (dry) |
| D50*  | µm                 | 37               | 43               | laser diffraction by Sympatec HELOS (dry) |
| D90*  | µm                 | 85               | 115              | laser diffraction by Sympatec HELOS (dry) |
| Apparent density  | g/cm <sup>3</sup>  | 0,4              | 0,8              | ASTM B212-99                              |
| Pigment content   | %                  | 67               | 72               | LCI.003.0                                 |
| Solvent content   | %                  | 28               | 33               | LCI.003.0                                 |
| Specific surface*   | cm <sup>2</sup> /g | 8000             | 12000            | LCI.004.0                                 |

**Comparative overview of the calcium hydroxide reactivity (STP) of the different aluminium pastes for lightweight concrete with retarded reaction.**



For more information and samples, please contact:

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