





| Fly ash according ETA-05/0168 and EN 450-1+A1 for use as type II addition in concrete, mortars and grout | | | | |
|---|--|---|--|------------|
| Producer: Vliegasunie B.V. PO Box 265 4100 AG Culemborg tel: +31345 - 509988 fax: +31345 - 509980 www.vliegasunie.nl | | Producton plant: Silo, Meng en Zeefinstallatie Maasvlakte Rotterdam Europaweg 893 3199 LD Rotterdam-Maasvlakte the Netherlands | | |
| | |  08 0956-CPD-1303 |   | |
| Relevant clause in EN 450-1 | Characteristics | Requirements | Category | |
| 5.2.2 | Loss on Ignition | ≤ 5 % | Category A | |
| 5.2.3 | Chloride (Cl) | ≤ 0.1 % | | |
| 5.2.4 | Sulphuric anhydride (SO ₃) | ≤ 3 % | | |
| 5.2.5 | Free CaO | ≤ 1.0 % | | |
| 5.2.6 | Reactive CaO (as total CaO) | ≤ 10 % | | |
| 5.2.7 | ReactiveSiO ₂ | ≥ 25 % | | |
| 5.2.8 | Sum of the content of SiO ₂ , Al ₂ O ₃ and Fe ₂ O ₃ | ≥ 70 % | | |
| 5.2.9 | Total content of alkalis (Na ₂ O-eq) | ≤ 4.5 % | | |
| 5.2.10 | MgO | ≤ 4 % | | |
| 5.2.11 | Total P ₂ O ₅ | ≤ 5 % | | |
| | Soluble phosphate | ≤ 100 mg/kg | | |
| 5.3.1 | Fineness > 45 micron | < 40 % and variation ± 10 percentage points | | Category N |
| 5.3.2 | Activity index | After 28 days: ≥ 75 % After 90 days: ≥ 85 % | | |
| 5.3.3 | Soundness | ≤ 10 mm | | |
| 5.3.4 | Particle density | 2300 kg /m ³ | | |
| 5.3.5 | Initial setting time, difference between cement paste and cement/fly ash paste | <120 minutes longer than the cement pasta | | |
| 5.4.2 | Dangerous substances | according Dutch regulations (NL) | | |
| EG declaration of conformity | | | | |
| We declare, in accordance with article 14 of the Construction Products Directive (89/106/EEC), that the product according to this Product specification delivered of the location Silo, Meng en Zeefinstallatie in Rotterdam- Maasvlakte, conforms to CUAP (ETA request No 03.01/34) and EN 450-1+A1 with conformity established according to EN 450-2 as given in Annex ZA van of EN 450-1+A1. | | | | |
| The FPC system is controlled by the approved body BMC and certificate of conformity number: 0956-CPD-1303 is January 1, 2008 issued | | | | |
| Culemborg, February 17, 2010 | |  A.Korthout, director | | |