

EBOLIT ALU

TECHNICAL DATA SHEET TL 554/2010

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Product characteristics

EBOLIT ALU is an aqueous solution of aluminium dihydrogen phosphate (CAS: 13530-50-2).

Use:

EBOLIT ALU is used as a binder in the manufacture of refractory moulded materials, choking compounds, high quality ceramics, sealants and non-flammable materials.

Product features

EBOLIT ALU is a colourless to slightly yellowish, clear to slightly opalescent liquid at normal temperature. It is freely miscible with water.

EBOLIT ALU must comply with these features:

| <i>quality</i> | <i>value</i> |
|---|--------------|
| Density 20 °C in kg.m-3 | 1480-1510 |
| pH of 2% aqueous solution | 2-2,5 |
| Al ₂ O ₃ content in % | min. 8 |
| P ₂ O ₅ content in % | min. 34 |

Product processing

The product is a medium viscous liquid, acidic reaction, non-flammable. When heated above 200 °C an additional chemical bond is formed, related to the formation of polymer phosphates. The phosphate bond then resists temperature rise until a ceramic bond is formed.

Packaging, storage

EBOLIT ALU is supplied bulk in stainless steel tanks, in 200 litre PE drums or in other pre-arranged packaging. It is stored in sealed packages, protected from direct weathering. Recommended storage temperature is +5 to +25°C, hidden from direct sunlight or near heat sources.

Transport

EBOLIT ALU is transported by covered means of transport, not subject to ADR/RID regulations.

Warranty period

If the product is transported and stored according to the above conditions, its warranty period is 12 months from the date of removal.

Note

Data on the properties of the product and its processing were obtained by laboratory measurements and application tests. This data sheet can only provide legally non-binding advice, the product processing must be adapted to the specific conditions.