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EBOLIT ALU**TECHNICAL DATA SHEET****TL 554/2010**

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Product characteristics**EBOLIT ALU** is a water solution of dihydrogen phosphate aluminic (CAS: 13530-50-2).**Use****EBOLIT ALU** is used as a binder at the production of:

- Shaped heat-resistant materials
- Ramming mixtures
- High quality ceramics
- Cements and non-flammable materials
- Heat-resistant and anticorrosive coatings and pastes
- Ceramic insulations
- Highly firm heat-concretes
- Cast forms etc.

Product featuresUnder normal temperature **EBOLIT ALU** is colorless up to light yellowish, clear, up to light opalescent fluid unlimitedly miscible with water.**EBOLIT ALU** must comply with these quality signs:

Quality sign	Value	Methodology of setting
solution 2% pH	2,0 up to 2,5	PN-ZM 554/2010
Content of Al ₂ O ₃ (%)	minimum 8,0	PN-ZM 554/2010
Content of P ₂ O ₅ (%)	34 up to 36	PN-ZM 554/2010
Density at 20 °C (kg.m ⁻³)	1460 up to 1520	ČSN 65 0342

Product manufacturing

EBOLIT ALU is medium viscose fluid, with acid reaction, not flammable. By heating up to temperature over 200 °C additional chemical bond originates, related to the production of polymeric phosphates. The phosphate bond is then resistant to temperature increase up to the creation of ceramic bond. The heat-resistant masses and special shaped bricks with the **EBOLIT ALU** binder show high firmness already in low temperatures. This firmness could be otherwise achieved only by a ceramic bond. We recommend the use of protective gloves at work (e.g. PVC) and protective glasses or a facial shield.

Packing and storage

EBOLIT ALU is usually delivered freely placed in stainless tank cars, PE drums at a volume of 200 litres or in other containers that have been discussed in advance. It is stored in closed containers at the places protected from direct climatic influences. The recommended storage temperature is within +5 up to +25 °C.

Transport

EBOLIT ALU is transported by covered vehicles.

Warranty

If the product is transported and stored according to the above mentioned conditions, the warranty is 6 months from the date of stock-out.

Note

Data about the product characteristics and its manufacturing were acquired by laboratory measurements and application tests. This technical sheet can only give a legal advice without any obligation. The manufacturing of the product must be adjusted to the specific conditions.

