

STEPHENITE

Description: A self-flowing abrasion resistant material.

Maximum services temperature: 1500°C

Maximum particle size: 6mm

Colour: White

Strength: Poor on demoulding.

Air dry 70MPa

1100°C 45MPa

400°C 90MPa

800°C 95MPa

1000°C 80MPa

1200°C 70MPa

Chemical Analysis

Al₂O₃ 54%

Fe₂O₃ 0.4%

SiO₂ 39%

TiO₂ 0.5%

CaO 5.4%

MgO 0.1%

Na₂O 0.11%

KO 0.06%

P₂O₅ 0.07%

Installation:

Add plus 10% water. Place all the water in the mixer. Add half of the powder, until fluid. Add a quarter of the powder and mix until fluid, etc. until all powder is mixed in. we call this technique "puddling"

Sets in around 3 hours.

Applications:

Anywhere that mechanical wear is a problem.

Packaging: 25kg plastic bags on 1 ton pallets stretch wrapped.

Shelf life approximately 6months

Development number 37533.