COATZ

General description

A zircon rich refractory supplied in powder form to which clean water is added to form pastes and or slurries. It has been developed to protect refractory and insulation products from the various effects that occur in high temperature furnace environments and associated vessels.

Application Methods

1. Patching grade

A thick paste or mortar. Water addition is approximately 10-12% by weight, 1 litre of water to 10 kg of powder. Apply using trowels as for cement rendering or bricklaying. Maximum thickness 3mm. If a thicker coating is required allow this coating to be thoroughly dried out before additional coating. Maximum thickness of 6mm is recommended.

2. Towelling/spraying grade

A creamy paste for patching or spray. Water addition is approximately 14-16% by weight, 1.5 litres of water to 10kg of powder. As a spray coating on large surface areas using spray guns with a 1mm nozzle orifice and compressed air supply of 5-6 kg/cm2. Water additions can be altered slightly to suit individual requirements of spray equipment. Continuous stirring is recommended during spraying with equipment thoroughly cleaned after each spray session.

3. Brushing/ spaying grade

As slurry mix for wash coating. Water addition is approximately 20-25% by weight, 2 litres of water to 10kg powder.Where brushed wash coats are required apply to a thickness of 0.5mm by means of 100 to 150mm standard brushes. Should thicker coatings be required apply after each pre coating is thoroughly dry. Total thickness should not exceed 3mm.

Dry out before firing

Shelf Life

12 months

HEALTH AND SAFETY PRECAUTIONS

No health hazards associated, in normal use. It is a water based suspension of fine zircon refractory which may be slightly abrasive and Alkaline to a delicate skin. It requires no special storage or handling facilities. Small spillages may be cleaned by any convenient method. Larger quantities for disposal may be tipped, buried or spread on waste ground and allowed to dry

TYPICAL CHEMICAL ANALYSIS (%)						
Al_2O_3	SiO_2	Fe_2O_3	CaO	SiC	ZrO_2	Alkalies
5	37	0.25	0.07	----	53	0.5

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