

PROMIXSEALER® PRODUCTS

ProMixSealer® products are in-house manufactured joint and patching compounds, based on low bio-persistent fibres. They are specially developed to repair and securely bond refractory launder joint segments. **ProMixSealer®** products have an extremely low thermal shrinkage, reducing the chance of joints opening and allowing metal penetration. This, in combination with excellent strength, resistance to thermal shock and superior non-wetting characteristics, makes **ProMixSealer®** the best all-purpose refractory joint and patching compound possible.



	ProMixSealer® AL	ProMixSealer® ALV (Low viscosity version)	ProMixSealer ALX
Application	Repairing small cracks or to bond launder sections together	Repairing small cracks or to bond launder sections together	Repairing large cracks or to bond launder sections together
Appearance	White Coloured Putty	White Coloured Putty	White Coloured Putty
Composition, fired (%)	SiO ₂ 65-68 MgO 19-23 Al ₂ O ₃ 1-2 Calcined Clay 0-30	SiO ₂ 64-69 MgO 18-24 Al ₂ O ₃ < 3 Calcined Clay 0-28	SiO ₂ 65-68 MgO 21-23 Al ₂ O ₃ 4-5 Calcined Clay 0-30
Density wet (kg/m ³)	1750	1675	1850
Density, dry (kg/m ³)	1250	1150	1500
Loss on ignition (%)	< 3	< 3	< 3
Modules of rupture (Kpa) 24 hr. exposure at 870°C	3000	2500	3500
Linear shrinkage (%) 815 °C, 24 hours	< 0,5	< 0,5	< 0,5
Maximum service temperature	1000°C	1000°C	1000°C
Resistance to molten aluminium	Excellent	Excellent	Excellent
Availability	5 and 25 kg drums 300 ml cartridges	5 and 25 kg drums 300 ml cartridges 600ml/1500 ml sachets	5 and 25 kg drums
Normal shelf life	Min. 6 Months	Min. 6 Months	3 Months

Installation Instructions

The surfaces which are bonded must be clean and free of dirt, dust, and coating residues. Curing and the development of bonding strength takes place through normal air drying. Low temperature heat (less than 100°C) can be used to accelerate the drying process, if necessary.

ProMixSealer® AL, ALV and ALX non-wetting mouldables can be installed and smoothed with plastic gloves, spatulas and trowels. **ProMixSealer® AL and ALV** can also be installed with a caulking gun either manual or with pressure. The storage temperature should be between 4°C and 32°C.