



## ALKON® GUN P

### Aluminium Industry

#### PRODUCT DESCRIPTION

ALKON® GUN P is a bauxite based phosphate bond single component gunning mix – only water is added at the nozzle – combining advantages of usual P-bond ramming mix with versatile and high-speed installation.

- No complicated equipment. Only water added at the nozzle
- Very low rebound
- Good bond on existing lining
- High installation rates
- No curing & dry-out constraints.
- >5% P<sub>2</sub>O<sub>5</sub> for good resistance to aluminium corundum growth even if process temperature exceeds 1200°C
- High thermal shock resistance but low mechanical strength
- Acid resistant



#### TYPICAL USE & APPLICATION

ALKON® GUN P can be used in all areas where a chemical phosphate bond ramming mix or plastic material is of interest, and with low mechanical chock/abrasion stresses.

ALKON® GUN P is especially used in full relining or partial repairs of secondary aluminium furnaces belly-bands, burner quarls and upper walls where mechanical properties are not of first importance, but resistance to corundum growth in high temperature environments is a rising need. Also such a product enables versatile & quick installation to minimize equipment immobilization for maximum return on investment.

#### DELIVERED VALUE

**Increasing furnace availability by extending lifetime in most exposed lining areas in secondary aluminium melting process:** the P-bond refractory products are those showing the best chemical resistance to liquid aluminium after being fired over 1250°C.

**Increasing furnace availability via quick installation:** the product can be installed quickly with a good rate and very low rebound. The product can be dried directly after installation in a very short period of time.

##### **Making your life easier & safer:**

- This product shows much less rebound, is much easier to install, and does not require pre-dampening compared to a P-bond “HYRATE” wet gunning mix
- This product does not require auxiliary respiratory equipment nor binder specific tanks like P-bond gunning mixes with chemical binder added at the lance.
- This product requires standard Low porosity gunning equipment and installation skills.