

Is your plant looking for a solution to reduce downtime and increase furnace lifetimes?

Introduction to TAB

Pyrotek's TAB Refractory Services is a world leader in the aluminium industry, providing the best quality furnace linings and refractory services, with over 50 years of experience and knowledge. Since 1974, TAB has provided solutions for customers around the world in over 30 countries. Working on both melting and holding furnace designs of all kinds: reverberatory, round top loading, static, tilting, rotary, tower, and die casting.

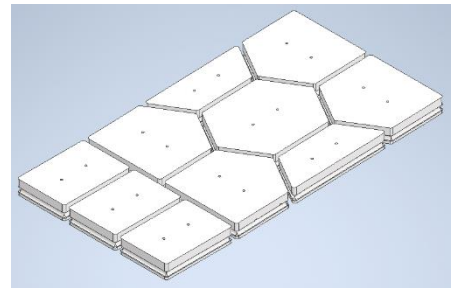
TAB's technical engineering department, with experience and knowledge, assist customers by providing solutions and designing bespoke furnace linings to improve the lifetime and performance of the furnace. TAB provides complete turnkey refractory services from design and engineering to dry out & commissioning. In addition to a mass of experience in maintaining furnace linings, prolonging the lifetime.

TAB has a long history with global customers, providing the lowest TCO (Total Cost of Ownership) furnace linings, due to the quality of the initial reline & the maintenance service provided throughout the lifetime of the furnace.



Engineering and Design

TAB has been very successful in providing big block hearth solutions for customer around the world to prevent downtime and increase lifetime. TABs technical engineering department have the capabilities to design bespoke precast hearth blocks based on each specific furnace with a robust design and expert material selection. TAB engineers use 3D CAD software to create the designs and conduct thermal expansion calculations to create visual proposals for our customers and ensure the correct amount of expansion is included for during the installation.



Advantages

- Fast installation.
- Bespoke designs.
- Excellent lifetimes.
- Impact resistant.
- Manufactured under high quality factory conditions.
- High quality materials.
- Pre-fired to reduce furnace dry out time.
- Consignment stock.
- 'Zoned' wear block replacement.



TAB has installed precast hearth blocks in over 50 furnaces around the world, assisting customers by providing them a detailed engineering package followed by a fast and quality installation service. Many other refractory installation companies have tried this in the past and have failed. TAB has been successful in this due to the designs, material selection and installation practices provided by TAB. TAB has a long list of repeat business references to back up their successes in big block hearth designs.

Case Study – Customer Site In The UK		
Installation Method	Precast Big Block	Cast-In-Situ
Cooldown	24 Hours	24 Hours
Demolition	12 Hours	12 Hours
Installation	24 Hours	72 Hours
Dry-Out	48 Hours	120 Hours
Downtime	4.5 Days	9.5 Days
Overall Downtime Reduced by 5 Days		
EXAMPLE = 5 Days X 5 Casts X 45MT X \$2,400 (LME Al) = \$2.7m Increased Production Value		



Picture References



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