DURHART 200 ®

DURHART 200 is an electro-fused wear ceramic known for its exceptional performance in abrasion resistance.

DURHART 200 is an electro-fused wear ceramic that provides excellent anti-abrasion performance. Its production method allows molding into all necessary shapes for anti-abrasion coatings.

DURHART 200 is particularly resistant to tangential abrasions caused by very aggressive fine particles even at high velocities, or by larger elements with low impact, such as in hoppers or chutes.

MANUFACTURING

The technical ceramic DURHART 200 is formulated from a blend of highly pure metal oxides (primarily alumina, zirconia, and silica) melted in a high-temperature electric furnace with precise control (over 1800°C).

The resulting mixture is then poured into sand molds of desired shapes and dimensions.

CHARACTERISTICS

Density	3.5
MOHS Hardness	9 (diamond = 10)
Abrasion resistance	5x Durzalt® 40
Temperature resistance	1500°C

DURHART 200 maintains its characteristics up to very high temperatures (1500°C), is resistant to atmospheric agents, and exhibits remarkable chemical inertness to bases and acids (except for hydrofluoric acid).

DURHART 200 finds its place in a multitude of applications, including:

- ✓ Pneumatic or hydraulic transport elements
- ✓ Mill linings
- ✓ Transfer chutes
- ✓ Cyclones
- ✓ Hydrocyclones
- ✓ Hoppers
- ✓ Separator cones
- ✓ Wall or floor linings

STOCK PROGRAM

PRODUR offers a diverse range of shapes and thicknesses to meet your specific needs :

Thickness	Shape	Dimensions (mm)
25 to 50	Slab for corking or gluing	20 x 150 à 250 x 250
25	Tube	Ø 50 minimum inter
30	Bend	Ø 50 minimum inter

If your needs require specific dimensions, custom-shaped parts, or if you have particular constraints, feel free to contact us to discuss your specific requirements.

MOUNTING METHOD

After adjusting and positioning each component in DURHART 200 wear ceramic, the fixation can be achieved in several ways :

- Using a mortar suitable for the operating conditions, whether in terms of temperature or chemical aggressiveness.
- Bolting onto the support through a drilled hole, after applying a thin intermediate layer of flexible material.
- Welding metal inserts integrated into the piece during casting.

PRODUR
ENGINEERED BY *WELDING ALLOYS*

La FRENCH FAB