CRETOX
THERMAL

# REFRACTORY CASTABLES

$Al_2O_3$: 35–80% • up to 1750°C

Solutions for metallurgy,
cement plants and furnaces



# REFRACTORY CASTABLE RANGE

**$Al_2O_3$: 35–80% | Operating temperatures: 600–1750°C**

| Castable class | Grade | $Al_2O_3$, % | CaO, % | $Fe_2O_3$, % max. | Max. operating temp., °C | Apparent density, g/cm³ | Compressive strength, MPa | Castable type by cement content |
|---|---|---|---|---|---|---|---|---|
| Basic fireclay | **CRETOX GLCH 35** | 35 | 4.5–6.5 | 2.5 | 1450 | 1.9–2.1 | 27 | Conventional (cement-bonded) |
| Standard fireclay | **CRETOX GLCH 45** | 45 | 3.5–5.5 | 2.2 | **1525** | 2.1–2.2 | 35 | Conventional (cement-bonded) |
| Mullite-silica | **CRETOX LLM 50** | 50 | 2.0–3.5 | 1.8 | **1550** | 2.2–2.4 | 45 | Medium-cement (MCCN) |
| Wear-resistant mullite | **CRETOX LLM X 60** | 60 | 1.0–2.5 | 1.5 | **1600** | 2.4–2.6 | 65 | Low-cement (LCC) |
| High-alumina | **CRETOX GSA 70** | 70 | 0.5–1.0 | 1.2 | **1650** | 2.6–2.8 | 80 | Ultra-low-cement (ULCC) |
| Corundum-spinel | **CRETOX GSC 80** | 80 | below 0.5 | 0.8 | **1750** | 2.9–3.1 | 100 | Cement-free |

**TEMPERATURES UP TO 1750°C**

**HIGH STRENGTH & WEAR RESISTANCE**

**RELIABILITY IN EXTREME CONDITIONS**

# RANGE FOR STOVES, FIREPLACES & BARBECUES

## DRY MASONRY MIX

### CRETOX CHF 30




- Operating temperature up to 1200°C
- Joint thickness 2–5 mm
- Refractoriness ≥ 1300°C
- Consumption ~1.5–2.0 kg/m²
  per 1 mm

## REPAIR MIX

### CRETOX Fix-up 30




- Operating temperature up to 1200–1400°C
- Application thickness 1–15 mm
- Adhesion ≥ 0.5 MPa
- Dry mix

## LIQUID REFRACTORY ADHESIVE

### CRETOX PASTE 30




- Operating temperature up to 1200°C
- Short-term up to 1300°C
- Layer 0.5–5 mm
- Ready-to-use paste



+359 87 6230806
info@cretoxthermal.eu
cretoxthermal.eu

# CRETOX CHF 30




## APPLICATION

- for masonry and repair of:
- domestic stoves
- fireplaces
- fireboxes
- barbecues
- grills
- solid-fuel furnaces
- fireclay brick
- ceramic brick in suitable zones

## TECHNICAL CHARACTERISTICS

| | |
|---|---|
| Color | gray / beige |
| Operating temperature | up to 1200°C |
| Refractoriness | ≥ 1300°C |
| Joint thickness | 2–5 mm |
| Adhesion | ≥ 0.3–0.5 MPa |
| Consumption | ~1.5–2.0 kg/m² per 1 mm |

## APPLICATION INSTRUCTIONS

- Mix the dry material with water to the required working consistency.
- Apply to a clean surface.
- Carry out masonry or repair work.
- Allow at least 24 hours before operation.

# CRETOX Fix-up 30




## APPLICATION

- for repair and restoration of:
- stove and fireplace linings
- cracks and chips
- worn areas
- restoring geometry

## TECHNICAL CHARACTERISTICS

| | |
|---|---|
| Color | gray / beige |
| Operating temperature | up to 1200–1400°C |
| Application thickness | 1–15 mm |
| Adhesion | ≥ 0.5 MPa |
| Form | dry mix |
| Water | 0.20–0.30 L/kg |

## APPLICATION INSTRUCTIONS

- Mix the dry material with water to a uniform mass.
- Apply a 1–15 mm layer to the surface.
- Compact and level.
- Allow at least 24 hours before operation.

# CRETOX PASTE 30




## APPLICATION

- for bonding refractory products and thin-layer masonry:
- fireclay brick
- ceramic tiles
- insulation materials
- lining elements

## TECHNICAL CHARACTERISTICS

| | |
|---|---|
| Color | white / beige |
| Operating temperature | up to 1200°C (short-term up |
| Layer thickness | 0.5–5 mm |
| Pack sizes | 0.5 / 1 / 2 / 5 kg |
| Consistency | ready-to-use |
| Consumption | ~1.5–2.0 kg/m² for a 1 mm layer |

## APPLICATION INSTRUCTIONS

- Stir the paste before use.
- Apply to the surface with a spatula or brush.
- Press the elements together, bed them properly and secure them.
- Drying depends on ambient temperature and humidity.