



PRODUCT DESCRIPTION

HIGH ALUMINA CEMENT

GÓRFLOW

GENERAL CHARACTERISTICS

GÓRFLOW is first in 100th years history of GÓRKA **binding system**, developed together with experts in additives for refractory hydraulic binders. The GÓRFLOW was built based on High Alumina Cement GÓRKAL 80. **GÓRFLOW** delivers perfect fluidity and workability of mortars with various content of binder. The high placing properties are easily visible in vibration and self-flowing castables.

APPLICATION

Thanks to low water demand **GÓRFLOW** system is suitable for castables places by vibrating, self flowing method, Very good workability is worth to try this sophisticated binder in castables where low water demand binder is required.

CHEMICAL COMPOSITION

GÓRFLOW principal components:

component	Typical values [%]
Al ₂ O ₃	79 – 82
CaO	<20
SiO ₂	<0,4
Fe ₂ O ₃	<0,2
Na ₂ O + K ₂ O	<0,7

The characteristics have been determined by classical analysis

SPECIAL PROPERTIES

GÓRFLOW is characterised by some special features:
 Specific surface acc. to Blaine 8000 – 10000 cm²/g
 Refractoriness >173 sP

HYDRAULIC PROPERTIES

GÓRFLOW main hydraulic properties:

	Typical values [minutes]
Initial setting time	>180
Final setting time	<420

Mixture : 1350 g French sand, 500 g cement, 200 g water

HYDRAULIC PROPERTIES

GÓRFLOW system delivers very good workability parameters

	Typical values [mm]
Flow after mixing	200
Flow after 20 minutes	140

Mixture : 1350 g French sand, 500 g cement, 200 g water

MECHANICAL PROPERTIES

GÓRFLOW is characterised by very good mechanical strengths:

Cold Crushing Strength after 24h >25 MPa

Mixture: 1350 g French sand, 500 g cement, 200 g water

MINERALOGICAL COMPOSITION

Principal phases: CA, CA₂, αA

Secondary phase: C₁₂A₇

This information is just given as indication.

SHELF LIFE

If stored properly, in dry conditions, the **GÓRFLOW** shelf-life can be 6 months. Please contact Gorka Cement Quality Controls Department for details of storage.