

# STARCEM

TS EN 197-1

Pozzolanic Cement

CP - CEM IV/B (Q) 32,5 R

## ► Pozzolanic Cement

45% < Clinker < 64%  
 36% < Calcined natural pozzolana < 55%  
 Setting time regulating calcium sulfate



## ► Technical Requirements

### ► Chemical

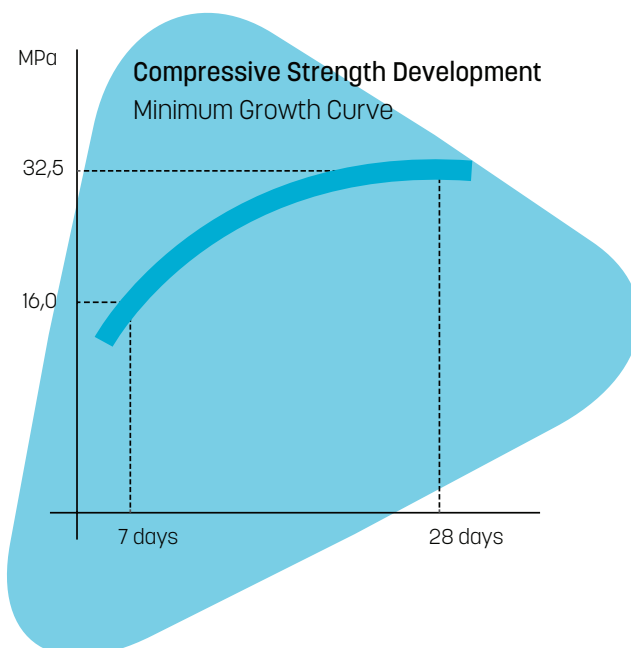
Sulfate (SO<sub>3</sub>) < 3,5%  
 Chloride (Cl) < 0,10%  
 Passes the pozzolanicity test

### ► Physical

Initial Setting (min) > 75  
 Soundness (mm) < 10

### ► Mechanical

Compressive Strength Development  
 Minimum values  
 7 days: 16.0 MPa  
 28 days: 32.5 MPa < 28 days < 52.5 MPa



## ► Advantages of concrete produced with CEM IV/B (Q) 32,5 R

- Low hydration heat
- High workability
- Particularly suitable for XC exposure classes.

## ▶ Recommended Applications

- ▶ Ready – Mix Concrete  
Suitable for the production of all comprehensive strength classes.
- ▶ Precast Production  
Suitable for production of masonry blocks and lightweight concrete.
- ▶ Road Pavements  
Suitable for concrete pavements for road.
- ▶ General Use  
All kinds of grout mortar, plaster and repair works.
- ▶ Mass concrete.

## ▶ Environment, Safety and Storage

- ▶ Wear suitable protective clothing, gloves, eye and face protection equipment.
- ▶ Lower CO<sub>2</sub> emission into the atmosphere.
- ▶ For detailed safety information, please contact with our Sales Department.

## ▶ Precautions in Application

- ▶ Follow the standard minimum cement content and maximum water/cement ratio.
- ▶ Provide adequate protection and cure according to correspondent standards.
- ▶ Keep framework and scaffolding in place until adequate mechanical strength is obtained.
- ▶ Follow the correspondent standard and Specifications for aggressive environments.

## ▶ Not recommended for:

- ▶ Not suitable for ready-mixed concrete productions where early strength is critical.
- ▶ Not suitable for concrete production to be poured without any measures under cold weather conditions.



### **SALES DEPARTMENT**

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