

PRODUCTION

HeidelbergCement (Georgia)
Sales and Marketing Department
Lortkipanidze St 4
0105 Tbilisi, Georgia
Tel: +995 32 247 47 47, Fax: + 995 32 247 07 07
E-mail: sales@heidelbergcement.ge

www.heidelbergcement.ge
www.heidelbergcement.com

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HeidelbergCement is one of the acclaimed leaders on the global market of the building materials production and is listed among the three major cement and concrete producers worldwide. The company employs some 52,500 people at 2,500 locations in more than 40 countries.

HeidelbergCement entered **the** Georgian market in 2006. Company operates 4 cement plants in Kaspi, Rustavi and Poti regions. Plants capacity reaches 2 million tones per year. Besides the domestic market, HeidelbergCement (Georgia) exports product to Azerbaijan.

Cement type CEM II 32.5 is used for manufacturing C8/10 – C25/30 class concretes, ferroconcretes, their composite and monolithic constructions such as:

- Building mortars
- Road-building constructions
- Average height buildings
- Protective and bounding constructions for sea and river embankments
- Dams and canals
- Waste depots



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CEM I 32.5 R-SR5

Sulfate resistant cement is exceptional product with the following characteristics:

- Intensified resistance to sulfate-containing mineral waters
- Less heat of hydration
- Prolonged strength development
- High frost resistance

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Novelty: MC 22.5 X (EN413-1)

HeidelbergCement offering to consumers a new product MC 22.5 X, which is specially designed and manufactured to produce masonry mortar for the following use:

- Bricks and blocks
- Stone masonry construction
- Stucco production




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CEM III 42.5N

Blastfurnace cement produced with granulated blastfurnace slag and suitable for use as an alternative to Sulfate-resisting Portland cement in most aggressive ground conditions. Concrete made on the basis of this cement has following advantages:

- Lower Alkali content
- Resistance against sulfate attack
- Reduced permeability
- Reduced risk of thermal cracking
- Lower Heat of Hydration
- Good strength development



Sulfate resistant cement is intended for hydro technical, underground and sea buildings. The product is used for manufacturing concretes with the following special compliance requirements:

- Resistance to sulfate corrosions
- Resistance to sulfate corrosions, when constant freezing – defrosting or drying up – dampening takes place simultaneously

Sulfate corrosion of concrete occurs as a result of the influence of natural sulfur-containing waters. After penetrating into concrete (if C2O excess is found), sulfur-containing sulfate water generates cement “bacillus” (ettringite), which expands and activates internal pressure and tension in the concrete mass and accordingly, deformation, fracture and destruction of concrete.

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CEM I 42.5

CEM I 42.5 Portland cement is for general building purpose and is used for manufacturing of composite, monolithic constructions and structures made of high class C20/25–C45/55 concretes and ferroconcretes.

Area of usage of CEM I 42.5 cement type can be the following:

- hydro technical and sea structures built in accordance with modern technologies
- bridges and highways
- high-rise buildings and skyscrapers
- protective and bounding constructions for embankments
- tunnels and underground railroads
- Airstrips

