

## Section 1 - Product and Company Identification

<b>Product:</b>	Masonry Cement Type N and Type S
<b>Use:</b>	Masonry cement is specially formulated and manufactured to produce masonry mortar for use in brick, block, and stone masonry construction. Masonry cements are also used to produce stucco.
<b>Company:</b>	Republic Cement Services Inc. Menarco Tower, 32nd St. Bonifacio Global City, Taguig City, Philippines Tel: +63 2 885 4599 or +63 2 238-9881 Email: customerservice@republiccement.com

## Section 2 – TECHNICAL INFORMATION

### MASONRY CEMENT

A mix typically of Portland clinker, limestone or hydrated lime, and other materials, used to improve the water retention and workability of the cement in masonry work. Republic Masonry Cement Type N and Type S are quality-assured passing the requirements of PNS ASTM C91.

## Section 3 – INGREDIENTS

92-95% Clinker  
3-5% Gypsum  
40-50% Limestone

## Section 4 – APPLICATIONS

### Masonry Cement Type N

A non-load bearing masonry cement for use in brick, block, and stone masonry construction.

## Masonry Cement Type S

A Load-bearing Masonry Cement for use where higher masonry strength is required. Ideal for parging, foundation walls and walls designed with reinforcement.

### Refer to the following documents:

- ASTM PNS for Masonry Cement
- ASTM 270 for Mortar Cements

## Section 5 – PROPERTIES

- Masonry Cements are available in variety of colors as well as natural gray.
- Properties of masonry mortar related to its durability include:
  - Resistance to freeze thaw deterioration,
  - Drying shrinkage characteristics,
  - Resistance to sulfate attack,
  - Water absorption characteristics,
  - Soundness

## Section 6 – CONDITIONS OF USE

- Masonry cements are designed to be mixed with sand and water to produce a masonry mortar.
- The addition of hydrated lime to a masonry cement mortar at the job site is not required or recommended for conventional unit masonry construction.
- The practice of good workmanship principles is required for successful application. This includes:
  - proper filling of head and bed joints
  - careful placement of units
  - appropriate tooling of the joint

- modification of construction procedures and/or schedules to adapt to extreme weather conditions
- Good workmanship coupled with proper detailing and design assures functional, durable, watertight masonry construction.
- Fresh mortar should be prepared at the rate it is used, so that it does not stiffen in mortar boxes and on mortarboards.
- If necessary to restore workability, mortar should be retempered by adding water and remixing thoroughly.
- While the addition of water reduces mortar strength slightly, this effect is preferable to the poor contact between brick and mortar that will result from using dry, stiff mortar.
- Mortar over 2 1/2 hours old should not be re-tempered or used. It should be discarded and replaced with freshly mixed mortar.
- Emphasis should be placed in masonry construction on minimizing the amount of cleaning required.
- Precautions to minimize the amount of mortar splatter that is left on a wall include:
  - the practice of good basic workmanship,
  - dry brushing the face of the masonry wall after tooling with a soft bristle brush, and
  - turning back the inside scaffold board at the end of the day to avoid rain splatter of mortar droppings from the board getting on the wall.
  - Such mortar protrusions and splatters as occur should be removed before they tenaciously adhere to the masonry surface (preferably the morning after laying) using stiff nonmetallic brushes, nonmetallic scrapers, burlap, rags, or other appropriate means of removal.

## **Section 7 – AVAILABILITY**

REPUBLIC MASONRY CEMENTS TYPE N are available in Luzon market and Type S in Vizayas Region in 36-kg bags.

## **Section 8 – TECHNICAL SUPPORT**

Further information and specification advice on MASONRY CEMENTS, and the full Republic Cements range, can be obtained from the contacts listed below.



**TECHNICAL DATA SHEET**  
**MASONRY CEMENT**

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**Customer Service Assistance:**

Hotline: (02)885-4596

E-mail: [customerservice@republiccement.com](mailto:customerservice@republiccement.com)

Website: [www.republiccement.com](http://www.republiccement.com)