



Strength. Performance. Passion.

### Holcim (US) Inc.

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### Packaged Products Terminals:

Inver Grove Heights, Minnesota  
 ☎ 651-450-0190  
 ☎ 866-450-0190  
 Mason City, Iowa  
 ☎ 800-247-5910  
 Cedar Rapids, Iowa  
 ☎ 319-393-1101

ASTM Guide for Selection of Mortar Type	
Wall Section	Mortar
<b>Exterior (above grade)</b>	
load-bearing	N or S
non-load bearing	N
parapet wall	N or S
<b>Exterior (below grade)</b>	S or M
<b>Interior</b>	
load-bearing	N or S
non-load bearing	N

### Holcim Portland Cements



#### Type I Portland Cement

- (42 kg/94 lb bags)(40 bags/pallet)
- (21 kg/47 lb bags)(80 bags/pallet)
- Use: Versatile and cost-effective, Holcim Type I is one of the most widely used basic building materials in the United States. Holcim Type I is suitable for a great variety of concrete construction applications.



#### Type IA Portland Cement

- (42 kg/94 lb bags)(40 bags/pallet)
- Use: In places where freeze-thaw action and ice/snow removal are a concern. Holcim Type IA contains small quantities of air-entraining agent, which creates minute, well distributed, and uniform air-bubble systems. The result is concrete with improved resistance to freezing and thawing, as well as scaling caused by deicing chemicals.



#### Type III - High Early Portland Cement

- (42 kg/94 lb bags)(40 bags/pallet)
- Use: When a job calls for cement to provide high strength within 24 hours, particularly where a structure must be put into service quickly, or when forms need to be removed as soon as possible, such as precast or prestress jobs.

### Holcim Masonry Cements



#### Type N - Masonry Cement

- (32 kg/70 lb bags)(40 bags /pallet)
- 750 psi minimum.
- Use: Most versatile mortar type. Recommended for general purpose in light construction such as walls of hollow, solid, cavity, veneer, partition and parapet design. Also, used in chimney construction and stucco.



#### Type S - Masonry Cement

- (34 kg/75 lb bags)(40 bags/pallet)
- 1,800 psi minimum.
- Use: Construction where strong lateral and compressive forces are anticipated. Also used in real or manufactured stone masonry and stucco.



#### Type M - Masonry Cement

- (36 kg/80 lb bags)(40 bags/pallet)
- 2,500 psi minimum.
- Use: Foundations, manholes, catch basins and where extreme moisture and freeze-thaw cycles are encountered. Also used for high compressive loads, such as machinery foundations. Specifically recommended for below grade concrete masonry.



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### Mortar Mix (Contractor Quality)

- **Type N:** 750 psi min.
- **Type S:** 1,800 psi min.
- 36 kg/80 lb. bag (40 bags/pallet)



This Holcim Mortar Mix meets the requirements of specification ASTM C387 for Type N or S Mortar for Unit Masonry. It is a pre-blended mixture of Portland Cement, hydrated lime, and oven-dried masonry sand. One bag will yield approximately  $\frac{2}{3}$  of a cubic foot of mortar meeting the Type N or S property requirements of specification ASTM C270.

Only water and mixing are required at the job site. Typical uses include setting masonry units, such as brick, block, real and manufactured stone.

### Holcim Pre Mix Products

#### Concrete Mix

- 3,500 psi min.
  - 27 kg/60 lb. bag (56 bags/pallet)
- Holcim Concrete Mix consists of Portland Cement, fine aggregate and coarse aggregate proportioned for convenience and consistency - *just add water*. Holcim Concrete Mix meets the requirements of ASTM C387 for normal strength, normal weight concrete. One bag will yield approximately  $\frac{1}{2}$  of a cubic foot of concrete. This versatile product can be used for many applications, including: a grout mix for filling masonry cavity walls, setting posts, building walkways, topping concrete, or other similar projects requiring greater than 2" of fill.

#### Sand Mix

- 4,500 psi minimum
  - 27 kg/60 lb bag (56 bags/pallet)
- Holcim Sand Mix consists of Holcim Type I Portland Cement and Fine Aggregate. This product is manufactured in accordance with ASTM C387 for high strength mortar, normal weight concrete. Use: For projects requiring higher strength than standard concrete mix. Ideally suited for applications requiring less than 2" of fill.



### Other Packaged Goods

#### Hydrated Masonry Lime

- 22.7 kg/50 lb bags
  - 45 bags per pallet
- Type S Hydrated Masonry Lime meets the requirements of ASTM C207. Typical uses include combining with Holcim Portland Cement and masonry sand (ASTM C144) to produce a mortar meeting ASTM C270.

#### White Portland Cement

- 42.7 kg/94 lb bags
  - 35 bags per pallet
- Type I White Portland Cement meets the requirements of ASTM C150. For use in any concrete application where a white or very light colored look is desired.

#### White Masonry Cement (Type N)

- 31.75 kg/70 lb bags
  - 40 bags per pallet
- White Masonry Cement (ASTM C91) is a blend of Type I White Portland Cement that meets the requirements of ASTM C150 and Type S Hydrated Lime which meets the requirements of ASTM C207. These ingredients are pre-blended to assure uniformity in strength, workability and color. When mixed with an ASTM C144 sand, this masonry cement will produce a mortar meeting ASTM C270. For use in any masonry application where a white or very light colored mortar joint is desired. Pure white masonry mortar is obtained by using a clean, white sand.

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