



Space Industrial Group


A light gray world map is centered in the background of the page, showing the continents of North America, South America, Europe, Africa, Asia, and Australia.

SPACE
Industrial Group

www.sigcement.com

About us

Since the establishment of Space Industrial Group in 2008, our company is now considered as one of the pioneers in various industrial and construction fields. Moreover, many efforts have been made to develop the company in the cement area. Our company produces white and colored cement and ready-made mortars in Oman, representing our commitment to produce high-quality products at reasonable prices.





Normal and Polymer Masonry Mortar PM100

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Introduction

PM100 masonry mortar is used for gluing all kinds of bricks and clay blocks, silicate blocks, cement blocks and lika blocks for the purpose of building a blade wall or facade wall. This mortar is durable and easy to use, and it is ready to be consumed only by adding water.

Packaging and Storage

Masonry mortar is packed in 30 kg bags. Unopened bags can be used for 18 months after the production date if stored in a dry place. It is recommended to stack up to 8 bags.

Preparation Instructions

Mix the contents of the bag with 5 liters of clean water in a blender for 6 to 8 minutes. After this, the mortar is ready to use. For small works and repairs, it is safe to use a mixer connected to a drill.

| | |
|---------------------------------|--|
| Components | Cement. Type 2 |
| Components | Granulated lime aggregate with the largest size of 3 mm |
| Density | 1850 grams per liter |
| Layer thickness | 2 cm |
| Amount of use | Cement and clay block with a thickness of 2 cm and a blade of 15 cm, about 40 kg |
| Compressive strength of 28 days | More than 10 N/mm ² |

Caulking Mortar PTL320

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Introduction

PTL320 Cement-Based Caulking Mortar is used to fill joints with up to 6 mm thick, between tiles, ceramics and stone installed on walls and floors inside and outside the building and in wet and dry conditions.

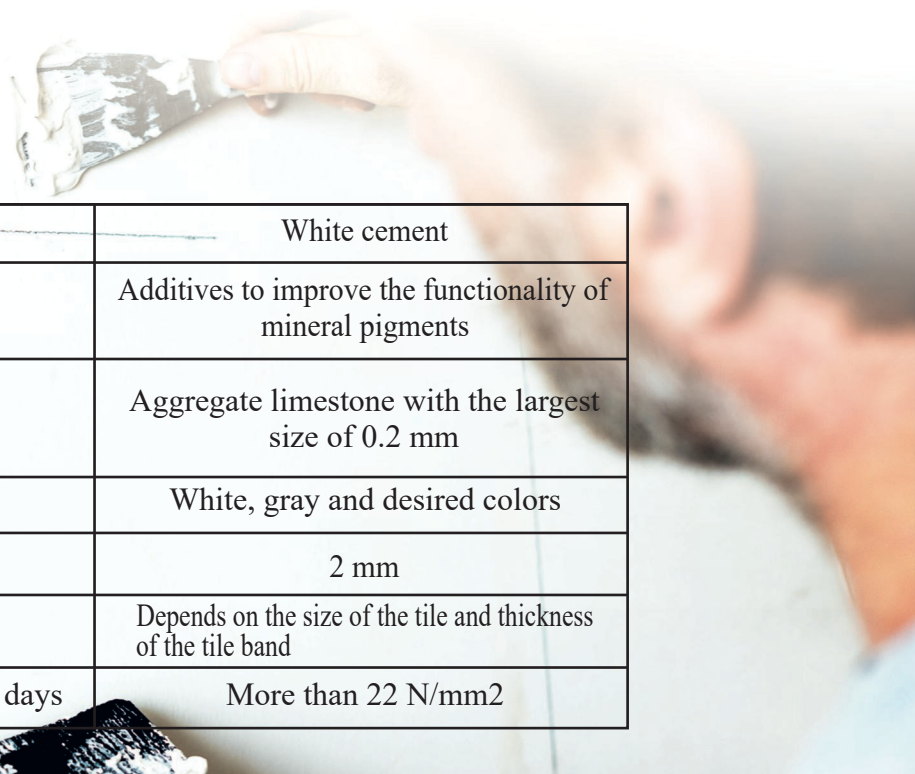
Preparation Instructions

Mix each 10 kg bag of powder with 3 liters of clean water in a mixer. The mixing process should be continued until a uniform and homogeneous paste is obtained. Wait for 10 minutes and then stir the mixture for a short time (15 seconds).

How to Use

Do the operation with a plastic spatula and by pressing the mortar paste in the joints between clean and dry ceramic tiles. Wall plastering is done 24 hours and floor plastering is done 48 hours after installing ceramic tiles.

Remove excess mortar from the surface. The 20 to 30 minutes after jointing and hardening of the mortar, clean the jointed surfaces with a damp cloth and keep them moist for 24 hours.



| | |
|---------------------------------|--|
| Components | White cement |
| Components | Additives to improve the functionality of mineral pigments |
| Components | Aggregate limestone with the largest size of 0.2 mm |
| Color | White, gray and desired colors |
| Layer thickness | 2 mm |
| Amount of use | Depends on the size of the tile and thickness of the tile band |
| Compressive strength of 28 days | More than 22 N/mm ² |



Traditional Straw Design Mortar PPC265

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Introduction

Design Mortar PPC265 is semi-soft cement linings which is used by adding various mineral pigments as a surface coating on external and internal walls in a wide range of colors.

This would be water resistance if produced by adding another additive to the final coating formula. This product is used on prefabricated concrete surfaces, smooth external surfaces covered with cement mortar or preferably surfaces covered with lining mortar. Traditional Straw Design Mortar is used by adding 3 mineral pigments in different colors and is preferably applied manually with a trowel.

Preparation Instructions

Mix the contents of the bag with 6 liters of clean water. Then add about 1.5 kg (thin straw"fibers that its length should be at most 4 cm and free of foreign substances) and mix it with a mixer. After thorough mixing wait for 10 minutes and mix it again for a short time. Apply a 3-5-meter-thick layer on the under-work surface with a trowel and smooth it. In order to create a better view, it is recommended to sprinkle a little straw on the layer before it dries.

| | |
|---------------------------------|--|
| Components | White cement |
| Components | Additives to improve the functionality of mineral pigments |
| Components | Aggregate limestone with the largest size of 0.6 mm |
| Color | Brown |
| Layer thickness | 2 mm |
| Amount of use | 5 kg |
| Compressive strength of 28 days | 5 kg per square meter with a trowel |

gray and white block adhesive TBG - TBW

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Introduction

Gray and white block adhesive is for binding the AAC autoclaved lightweight concrete blocks

Method of use

Spread the prepared mortar on the block with a thickness of 3 to 5 mm, then create slots on the layer with a notched trowel. Adjust the stacked blocks with a rubber hammer from above and the side.

Preparation Instructions

Mix the contents of the bag with 6.5 liters of clean water in a mixer and wait 10 minutes after reaching a uniform concentration (processing time) and after this time, mix the mortar for a short time (about 15 seconds) again.

| | |
|---------------------------------|---|
| Components | White or gray cement |
| Components | Aggregate limestone with the largest size of 0.6mm |
| Components | Additives to protect humidity and to improve stickiness |
| Density | 1600g/l |
| Layer Thickness | 3-5 mm |
| Amount of use | About 22 kg for each m ³ |
| Compressive strength of 28 days | More than 7N/mm ² |
| Adhesion | More than 0.1mm ² |

Coarse Flooring Mortar PM600

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Introduction

The porcelain floor adhesive, PM600, is a mortar based on polymer-reinforced cement and armed with coarse-grained polypropylene fibers, which is suitable for installing all types of porcelain or non-porcelain ceramic tiles on the floor, regardless of the work surface. This is a mixed adhesive which is made of granulated limestone cement, polypropylene fiber powder resins and adhesive reinforcements, and ready to be consumed by adding water.

Packaging and storage:

This product is packed in 35 kg laminated paper bags. Unopened bags can be stored in a dry place for 12 months after the production date. It is recommended to stack up to 8 bags.

Preparation Instructions

Time of use after mixing with water: one hour in contact with air.

Installation time of ceramic tiles and the possibility of changes after applying adhesive: 30 minutes.

Setting time: at medium temperature after 14 hours and at a temperature of 8 to 10 degrees Celsius after 24 hours.

The contents of the 35 kg bag of adhesive are gradually mixed with 5.5 liters of water in a mixer for 10 minutes until a uniform paste is obtained.

Wait 10 minutes and mix again for 5 minutes.

The adhesive is ready to use.



Porcelain ceramic and tile adhesive
gray and white
TLW - TLG

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Introduction

Porcelain adhesive TLG or TLW is a powder adhesive based on polymer-reinforced cement. This adhesive is a mixture of granulated limestone cement, powder resins and adhesive enhancers, which is ready to be consumed by adding water.

Packaging and storage:

This product is packed in 20 kg laminated paper bags. Unopened bags can be stored in a dry place for 12 months after the production date. It is recommended to stack up to 8 bags.

Preparation Instructions

Mixing ratio: 5 to 5.5 liters of water for a 20 kg bag.
Use time after mixing with water: 45 minutes in contact with air.

Installation time of ceramic tiles and the possibility of changes after applying adhesive: 20 minutes

Setting time: at medium temperature after 14 hours and at a temperature of 8 to 10 degrees Celsius after 24 hours





Lining and Underlayment PRG-PRW

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Introduction

PRG-PRW Render Mortar is used to prepare the underlayment for the purpose of continuity for applying two or three layers of lining on the roofs and the repair of wall and facade. This product can be used manually or by spraying with a pump.

Packaging and Storage

Render Mortar is packed in 30 kg bags. Unopened bags can be used for 18 months after the production date if stored in a dry place. It is recommended to stack up to 8 bags.

Preparation Instructions

Mix the contents of the bag with 5.5 liters of clean water in a blender and stir for 6 to 8 minutes. Mortar is ready to use.

| | |
|---------------------------------|---|
| Components | Gray or white cement |
| Components | Additives to improve workability and water retention |
| Components | Granulated lime aggregate with the largest size of 3 mm |
| Density | 1800 grams per liter |
| Layer thickness | 2-3 cm |
| Amount of use | 50 kg per square meter |
| Compressive strength of 28 days | More than 10 N/mm ² |

special adhesive for stone -slab TSW

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Introduction

Slab adhesive TSW is a powder adhesive based on polymer-reinforced cement, which is special for installing large size ceramic slabs.

This adhesive is a mixture of cement, granulated limestone, resins and glue boosters, which is ready to be consumed by adding water.

Packaging and storage:

This product is packed in 20 kg laminated paper bags. Unopened bags can be stored in a dry place for 12 months after the production date. It is recommended to stack up to 8 bags.

Preparation Instructions

Mixing ratio: 5 to 5.5 liters of water for a 20 kg bag.

Use time after mixing with water: 45 minutes in contact with air.

Installation time of ceramic tiles and the possibility of changes after applying adhesive: 20 minutes

Setting time: at medium temperature after 14 hours and at a temperature of 8 to 10 degrees Celsius after 24 hours





White cement

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| Rhyical Requirementsts | | result | specification | |
|---------------------------------|-------|--------|---------------|------|
| Fineness specific surface | cm2/g | 4100 | 0 | |
| Soundness lechatelier expansion | mm | 1.1 | Max | 10 |
| Compressive strength | | | | |
| 2Days | Mpa | 24 | Min | 20 |
| 7Days | | | | |
| 28Days | Mpa | 57 | Min | 52.5 |

Vicat Test

| | | | | |
|----------------------|-----|------|-----|----|
| Initial Setting time | Min | 110 | Min | 45 |
| Final Setting time | Min | 150 | | |
| Whiteness(%W) | % | 91.6 | | |

Chemical Propertise

| | | | | | |
|--------------------|-------|---|-------|-----|------|
| SILICON Dioxide | Sio2 | % | 23.5 | | 23.5 |
| Aluminium Trioxide | Al2o3 | % | 4.80 | | 4.80 |
| Iron Trioxide | Fe2o3 | % | 0.39 | | 0.39 |
| Calcium Oxide | Cao | % | 65.4 | | 65.4 |
| Magnesium Oxide | Mgo | % | 2.4 | Max | 5 |
| Sulphur Trioxide | so3 | % | 1.75 | Max | 4 |
| Sodium Oxide | Na2o | % | 0.28 | | |
| Potassium Oxide | K2o | % | 0.3 | | |
| Chloride | Cl | % | 0.008 | Max | 0.1 |
| Insoluble Residue | IR | % | 0.22 | Max | 5 |
| Loss of Ignition | Lol | % | 1.9 | Max | 5 |

Undetermined

| Calculated Compounds & Others | | result | specification | |
|-------------------------------|---|--------|---------------|---|
| Lim Sturation Factor (LSF) | | 91.19 | | |
| Tricalcium Silicate(C3S) | % | 49.78 | | |
| Tricalcium Aluminate(c3a) | % | 12.06 | | |
| Total Alkali (Na2o+0.658K2o) | % | 0.48 | Max | 6 |



Colored External Mortar PPC

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Introduction

The PPC External Mortar is a semi-soft cement base coating that is used as a coating on exterior and interior walls. By adding another additive to the final coating formula water resistance formula is produced. This product is used on prefabricated concrete surfaces, smooth external surfaces covered with cement mortar or preferably surfaces covered with lining mortar.

Preparation Instructions


The contents of the bag are mixed with 5 liters of clean water in a blender and stirred. After complete mixing, wait for 10 minutes and stir again for a short time. The time to use mortar is 2 to 4 hours depending on the ambient temperature.

Method of Use

The external final coating is applied by spraying with a pump or by hand (with a trowel) on the under-work surface that is clean and free of sticky, oily and scum materials. Excess mortar is removed from the surface and returned to the container. If needed, it is possible to apply an additional layer on top of the first layer by considering a drying period of one day. If there are holes or a hairline crack on the surface, fill them with the external final coating and next day apply the external final coating. Moisturize the external final coated mortar with a little spray of water on the next day of applying.

| | |
|---------------------------------|--|
| Components | White cement |
| Components | Additives to improve the functionality of mineral pigments |
| Components | Aggregate limestone with the largest size of 0.6 mm |
| Color | White, gray and desired colors |
| Layer thickness | 2 mm |
| Amount of use | per square meter with trowel 2.5 kg |
| Compressive strength of 28 days | More than 0.1 N/m ² |

Our services

- 1. Consultancy and construction of cement factory** Seek our assistance to set up and operate your cement factory
 - 2. Advice on choosing the appropriate products** Our team will guide you in choosing the appropriate products for your projects
 - 3. Custom packaging**
We provide you with our products in various packages in different sizes according to your order
 - 4. Formulation**
Utilizing our facilities and technical expertise, we produce a variety of cement-based products according to your specific requirements
- 



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