

## K-140

### Masonry Mortar

#### Properties - Description

K-140 is a cement based dry-mixed masonry mortar of suitable size granulation and special organic additives. Its usage requires only the addition of water.

It is characterized by:

- High mechanical strength
- Excellent adhesion
- High workability with significant time and cost reduction
- Zero collapse under the weight of the masonry unit

It is certified with CE marking, according to EN 998-2, as a masonry (building) mortar, for internal & external use.

#### Technical data

Form:	Cementitious powder
Color:	Grey
Particle size:	Up to 4 mm
Water demand:	6,5lt/sack 40 Kg
Bulk density of dry mortar:	1.6±0.10 Kg/Lt
Bulk density of fresh mortar:	1.90±0.05Kg/Lt
Chloride content:	0,03 %Cl (max)
Water absorption:	0,7 (kg/m <sup>2</sup> x min <sup>-1/2</sup> (max))
Thermal conductivity ( $\lambda_{10, dry}$ )	0,84 W/MK
Pot life:	2,5 h at 20° C
Reaction to fire	Euroclass A1

#### Fields of application

K-140 is suitable for building walls with bricks & concrete blocks. It can also be used for the installation of marble, stone or other materials where high mortar workability and extended board life is required to produce a strong bond.

#### Consumption

Indicative consumption for bricks of dimensions 6X9X12 cm : 22kg/m<sup>2</sup>

#### Directions for use

In order to prepare a fresh mortar, one has to mix the content of the sack with clean water until the proper workability is obtained. Then, the fresh mortar is applied like common building mud.

**K-140**

**Masonry Mortar**

**Shelf life-Storage**


At least 12 months from production date for unopened sacks, in places protected from humidity

**Packaging**

Available in 40 kg sacks (1,44 tons/ pallet) & big bags (1,4 tons)

**Remarks**

- Mixing time should not be extended in order not to alter the properties of the material.
- It is not recommended to use the mixture under conditions of frost or heat
- The fresh mortar should be used within 30 minutes from adding water.
- The product contains cement and reacts as alkaline with water, so it is classified as irritant. In case of contact with the eyes the area should be washed without delay with plenty of water.
- The product contains cement and reacts as alkaline with water, so it is classified as irritant. In case of contact with the eyes the area should be washed without delay with plenty of water.

	
TITAN Cement Company SA, HQ: ATHENS: 22a Halkidos str 11143, Athens, Greece	
12	
<b>EN 998-2</b>	
<b>Masonry Mortar (Building) K-140</b>	
<b>DoP: INTERMIX No 18</b>	
<b>Typical Composition % by Weight:</b>	a) Grey cement: 13,0% b) Aggregates: 87,0% (improving additives: <0,5%)
<b>Chloride content:</b>	0,03 maximum value % Cl
<b>Reaction to fire:</b>	Euroclass A1
<b>Water absorption:</b>	0,70 maximum value kg/m <sup>2</sup> x min <sup>-1/2</sup>
<b>Water vapour permeability:</b>	μ=15/35 (based on density)
<b>Thermal conductivity (λ<sub>10,dry</sub>):</b>	0,84 maximum value W/mK
<b>Durability against freeze/thaw</b>	NPD