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Ref.	Description
GU252	25 N/mm2 2mm GUNITE
GU254	25 N/mm2 4mm GUNITE
GU258	25 N/mm2 8mm GUNITE
GR252	25 N/mm2 2mm FAST GUNITE
GR254	25 N/mm2 4mm FAST GUNITE
GR258	25 N/mm2 8mm FAST GUNITE

*Available with fibres (check with our sales department)*

## DESCRIPTION

- Dry mortar for Projection based on cement (according to RC-08), aggregates of great purity and selected grain size, chemical additives, specific for dry and humid guniting.



- Wet guniting is not recommended for fast gunite.

## FIELD OF APPLICATION

- Dry mortar for projection used for:
  - Securing and sealing:
    - o Masses, slopes
    - o frameworks
    - o grids
  - Rock fixation.

## PROPERTIES

- Excellent adherence.
- Compatibility with all supports.
- Great workability.
- Low rebound index.
- High initial mechanical strength.
- Applicable with all usual dry and humid gunite guns.
- Lower cost of equipment.
- Flexibility.
- Installation, handling and maintenance simplicity.
- Possibility of lower water/cement ratios.
- Interruptions do not cause problems.

- Greater distances from the equipment to the projecting nozzle.

## METHOD OF USE

- The indications detailed below are a summary of that laid down in standard *UNE 83607 Projected concrete and mortar: Recommendations for use*. Therefore, any information not present in the following can be checked in the aforementioned standard:

### Preparation of the Support

- Must be cleaned and saturated with water using a strong air and water jet.
- Frameworks will be fixed adequately to the support. It is recommended not to place frameworks with diameters above 12 mm.

### Product Kneading

- Humid guniting: knead mechanically with water until achieving a homogeneous mass without lumps.
- Dry guniting: finely atomised water is added at the nozzle ring to the current of material before projection.

### Product Application

- Application thicknesses will be of between 5 and 10 cm.
- The material will exit the nozzle in a continuous manner without interruptions in the flow.
- The layer will be compact, uniform and without irregularities.
- The distance of the nozzle to the support will be as short as possible. This will be regulated according to:
  - the amount of material
  - the projection speed
- In terms of the air volume, the optimum distance between the nozzle and the support will vary between 0.5 m and 1.5 m.
- As a general rule, the nozzle will be aimed at right angles to the projection area.
- Applying will commence along the lower part to avoid the rebound sticking to the structure.

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- Deviations in the application distance and angle will cause important reductions in the quality of the mortar projected, together with considerable amounts rejected.

### RECOMMENDATIONS AND PRECAUTIONS

- Application temperature will be between 5 and 30°C.
- Water temperature will be between 8 and 40 °C.
- Whenever the thickness applied is greater than the maximum 10 cm recommended, this will be achieved in several layers executed consecutively to avoid peeling.
- If a considerable amount of time elapses between applying overlapping layers, the last old layer will be cleaned and saturated with water using a strong air and water jet.
- Avoid freezing, strong winds and exposing to intense sunlight application.
- Rejected amounts and residues WILL NEVER be reused.

### CONSUMPTION

- Approximately 2000 kg of **MASTEC® GUNITE** are required to obtain 1m<sup>3</sup> of concrete.

### SAFETY AND HYGIENE

- This product contains cement. Cement is an irritant to the eyes, respiratory paths and mucous membranes.
- The paste gives a high pH when mixing the product with water. Therefore, it may irritate the skin in the case of prolonged contact, causing lesions to the eyes in the case of projections.
- Avoid contact with the skin and mucous membranes.
- No smoking, eating or drinking in the premises where the product is used.
- Avoid dust dispersion.
- The appropriate individual protection equipment for each case will be used.
- Persons with sensitive skin backgrounds should not handle this product.

- For more information check the file Product Safety Data File.

### TECHNICAL CUSTOMER SERVICE

- It is recommended the appropriate product is used for each application in accordance with the Technical File.
- Please check with our Technical Customer Service in the case of any doubt regarding the selection, handling or application of the different products.
- Our Technical Department will deal with and study each case if it were necessary to use a specific product, according to the use, colour, specifications, etc., or for placing special pieces or formats.

### SUPPLY

- Paper sack with plastic film.
- Different capacity big bags
- Gravity silos with mixer attached at the base, refillable on site by means of tanker trucks.

### STORAGE AND CONSERVATION

- The product maintains its characteristics in a dry place protected from freezing, humidity, direct sunlight, etc.:
  - Sack: 12 months.
  - Big-bag: 6 months.
  - Silo: 3 months.

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## TECHNICAL CHARACTERISTICS

### BASIC CHARACTERISTICS

Specification	Value	Test Method
Reaction to fire	A1 / A1 <sub>fl</sub>	Decisión 96/603/CE
Compression strength (N/mm <sup>2</sup> )	≥ 25 N/mm <sup>2</sup>	UNE-EN 1015-11

### OTHER TECHNICAL DATA

Specification	Value	Test Method
Particle size	GU252/GR252	Max. 2mm
	GU254/GR254	Max. 4mm
	GU258/GR258	Max. 8mm

#### NOTE:

*Dosage and application outside that described in this file will exclude our responsibility regarding the product and its application.*

*The results stated were obtained in tests performed under standard conditions and may vary in terms of on site installation conditions.*

*Please contact our Technical Department for more information.*

*All the product application indications are based on our current experience and knowledge, with the client being responsible for the final study for on site installation.*



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