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## TECHNICAL GUIDANCE

**Product:** HYDRATED LIME – CALCIUM LIME EN 459-1:2010 CL 90-S

**Substance name:** Calcium dyhydroxide – Ca(OH)<sub>2</sub>

**Additional properties:** powdery substance, white color

**Use:** preparation of mortar (for masonry, external and internal plaster) manufacture of other building materials industry

| Proportions of mixture (guideline values): | Parts by volume |        |      |
|--------------------------------------------|-----------------|--------|------|
|                                            | Lime            | Cement | Sand |
| <b>Masonry mortar:</b>                     |                 |        |      |
| Lime mortar                                | 1               |        | 3    |
| Lime cement mortar                         | 1-2             | 1      | 6-8  |
| <b>Plaster mortar:</b>                     |                 |        |      |
| Lime mortar                                | 1               |        | 3-4  |
| Lime cement mortar                         | 2               | 1      | 6-8  |

**Shelf life and storage:** BAGS: 24 months from date of production in dry indoors, protected with PP / PE film.

The date of manufacture is printed on the packaging. BULK: minimum 12 months from the date of dispatch of the IGM Zagorje in a hermetically sealed silo.

### Means of delivery:

- bulk
- In the 25-kg bags, palletized on a pallet 40 bags with a total weight of 1000 kg
- In the 25-kg bags, palletized on a pallet of 50 bags with a total weight of 1250 kg

| <b>Essential characteristics (according to EN 459-1:2010)</b> |        | <b>Performances</b> |
|---------------------------------------------------------------|--------|---------------------|
| CaO                                                           |        | > 92 %              |
| MgO                                                           |        | < 1,5 %             |
| CO <sub>2</sub>                                               |        | < 4 %               |
| SO <sub>3</sub>                                               |        | < 0,5 %             |
| Available lime                                                |        | > 80 %              |
| Free water                                                    |        | < 2 %               |
| Soundness                                                     |        | pass                |
| Particle size (residue by mass)                               | 0,2mm  | < 2 %               |
|                                                               | 0,09mm | < 7 %               |
| Air content                                                   |        | < 12 %              |
| Penetration                                                   |        | > 10 mm and < 50 mm |

## Other information:

- pH: 12,4 (saturated solution at 20°C)

## DETAILS OF DANGER:



### **DANGER**

Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. Keep out of reach of children. Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor/physician. IF ON SKIN: Wash with plenty of water. Avoid breathing dust/spray. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Dispose of contents/container in accordance with local/regional/ national/international regulation. For more information on the properties , storage,safe handling, safe use of the product, removal , etc . located in the SDS .

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