

# PORMEL U

Masonry mortar admixture – Air entraining and Plasticizing admixture  
Compliant to: EN 934-3 T.2

## FILED OF APPLICATION

Admixture for production of cement, used for masonry mortar.  
Admixture for masonry mortar.

## PROPERTIES

- Enables Air entrainment in the masonry mortar;
- Reduction of water used for production of masonry mortar;
- Increasing the workability of the fresh mortar;
- Enables mechanical application of mortar on vertical surfaces and ceiling;
- Reduces rebound of mortar applied by spraying.

## TECHNICAL FEATURES

| PROPERTY   | METHOD             | DECLARED VALUE                         |
|--|--------------------|--|
| Appearance   | Visual             | Light orange liquid                    |
| Density (at 20°C)  | ISO 758            | (1.02±0.02) g/cm3                      |
| pH   | EN ISO 4316        | 7,0±1,0                                |
| Alkali content:  | EN 480-10          | ≤0.1%                                  |
| Chlorides content:   | EN 480-12          | ≤2.0%                                  |
| Freezing temperature:                                      | /                  | 0°C                                    |
| Total amount of air A <sub>1</sub> , after standard mixing | EN 1015-7 Method A | A <sub>1</sub> =(17±3)%                |
| Air content after being still for 1 hour                   | EN 1015-7 Method A | ≥A <sub>1</sub> -3%                    |
| Air content after prolonged mixing                         | EN 1015-7 Method A | ≤A <sub>1</sub> -5%≥A <sub>1</sub> -5% |
| Water reduction  | EN 1015-7 Method A | ≥8%                                    |
| Compressive strength at 28 days                            | EN 1015-11         | ≥70% of the reference mixture          |

## DOSAGE AND PERFORMANCE:

Dosage of Poromel U should be 0.05-0.2% from the quantity of cement in the masonry mortar. In the process of production of masonry cement, the admixture is dosed immediately before entering the mill by means of spraying. Dosage higher than 0.08% allows water reduction of over 8% and a content of entrained air over 15%. Accurate dosing is established by carrying out industrial testing.


## PACKAGING

Containers: 1000 kg

## STORAGE

In the original packaging at temperature between 5°C and 35°C protected from direct sunlight. Shelf life: 12 months.

## CE MARKING

|  |   |
|--|---|
| <br>2032  |   |
| ADING AD Skopje,<br>Novoselski pat (ul 1409) br.11<br>1060 Skopje, North Macedonia<br>12<br>GAFA001/5<br>EN 934-3:2009+A1:2012<br><b>POROMEL U</b><br>Air-entraining/plasticizing admixture<br>EN 934-3:T2 |   |
| Chloride ion content   | <b>≤ 0,1% by mass</b>   |
| Alkali content   | <b>≤ 2,0% by mass</b>   |
| Corrosion behaviour  | <b>Contains components only from EN 934-1:2008,<br/>Annex A.1</b> |

**Health hazard:** Poromel U does not contain toxic substances, however attention must be paid to avoid contact with the skin, eyes or not to be swallowed. In case of contact to skin or to eyes, rinsing is required with clean running water. If swallowed, medical assistance must be immediately requested. Additional formations are provided in Material Safety Data Sheet for the material.

**Fire:** Poromel U is a non-flammable liquid. Additional formations are provided in Material Safety Data Sheet for the material.

**Cleaning and deposit:** Poromel U is cleaned with water. Old and used packaging must be disposed according to local regulations for that type of waste. Additional formations are provided in Material Safety Data Sheet for the material.