

# PENTAFLW PC 102

Universal superplasticizer in powder form

Technical Sheet January 2021

**DESCRIPTION** Pentaflow PC 102 is a superplasticizer in powder form based on state-of-the-art polycarboxylate polymers. It improves the flow of the mortars, it quickly develops the fluidity and it keeps it stable during the open times. **It is particularly suitable for the fluidification of gypsum-based mortars.**

**USE** Pentaflow PC 102 is perfect for low, medium, and high-thickness self-levelling mortars with all kind of mineral binders (cement, lime, gypsum, and anhydrites), especially for high resistances and low hydraulic shrinkage. **In particular, it develops high flow and high mechanical strengths with low hydraulic shrinkage in gypsum-based mortars.** We suggest combining it with **Pentamix EX 3** (anti-shrinkage agent) in cement-based mortars, with **Antifoam PS 201** (defoamer) to characterize the density, and with **Penta EC 05** (cellulose ether) to stabilize and tackle the segregation.

|                          | Data                             | Method     |
|--------------------------|----------------------------------|------------|
| <b>TECHNICAL DATA</b>    |                                  |            |
| <b>Composition :</b>     | Polycarboxylate polymer          |            |
| <b>State:</b>            | Powder                           | Visual     |
| <b>Colour:</b>           | White-ivory                      | Visual     |
| <b>Density:</b>          | 0.700 ± 0.100 kg/dm <sup>3</sup> | IST. 10.06 |
| <b>Granulometry:</b>     | Min. 75% < 0.300 mm              | IST. 10.09 |
| <b>Humidity:</b>         | Max. 4.0%                        | IST. 10.04 |
| <b>Water solubility:</b> | Totally soluble                  | IST. 10.21 |

**DOSAGE** In dry premixed mortars: dosage is between 0.1 and 0.6% on the weight of the admixture depending on the wanted fluidity. **Different dosages can be used depending on the desired results after preliminary tests.**

**STORAGE AND VALIDITY** If it is stored in a dry and cool place in its bags kept perfectly closed, **Pentaflow PC 102** has a validity of 12 months from the day on the delivery note. We suggest closing the bags after each collection.

**PRECAUTIONS** Before its use, please check the Information Data Sheet.

**PRECAUTIONS** 25 kg paper bag.

All the data stated in this technical sheet are based on the best of our knowledge and experience. It is advisable to carry out preventive tests. In any case, PENTACHEM does not assume any responsibility for any damage or defect caused by the use of our products, as the employment conditions are not under our control. We also inform that our technical service is at our customers' disposal for any information concerning the correct employment of our products.