

ADVANTAGES

- High dispersion capacity.
- Great performances in the reduction of water.
- Can be used both in cement and gypsum-based premixed mortars and in concretes.
- Extremely performant at lower dosages than competitive products.

PENTAFLOW PC5 and PENTAFLOW PC6

Pentaflow PC5 and **Pentaflow PC6** are polycarboxylate-based superplasticizers in powder form. They give very high performances both in cement and gypsum-based premixed mortars and in concretes.

As the test results here below show, **Pentaflow PC5** is suggested for the development of high mechanical strengths while **Pentaflow PC6** allows obtaining excellent flow.

	Pentaflow PC 5		Pentaflow PC 6	
Dosage	0.1%	0.15%	0.1%	0.15%
Flow (mm)	204	230	240	254
Density (kg/dm ³)	2046	2065	1929	1.02
Strengths 24 h (MPa)	14.24	13.79	12.54	7.74
Strengths 48 h (MPa)	28,53	30.25	25.87	20.47
Strengths 7 dd (MPa)	46.86	47.98	41.53	34.26
Strengths 28 dd (MPa)	61.38	58.85	53.23	42.77

The tests have been performed on a standard mortar formulated with cement 42.5 R with constant ratio W/B at 0.5

Comparison between the mechanical strengths of at **0.10%** and **0.15%** on the binder

