

# Technical data sheet.

## Standard 80 - 70

### Product description

Standard 80 - 70 are casting moulding plasters made of very finely ground beta-gypsum with increasing alpha-gypsum contents. Thanks to their high purity, moulds manufactured based on these plasters achieve outstanding strength values and an excellent absorption capacity. The preferred area of application of these moulding plasters is the production of casting moulds and models in the porcelain industry. Standard 80 - 70 are also suitable for the production of blackboard chalk, for stucco / moulding work and for handicraft activities. Slowly add the gypsum to the water and have it soaked. The stirring time depends on the stirring system and stirrer. Depending on the field of application, it should not be less than 1 minute. Stirring under vacuum is recommended.

### Information

This technical data sheet is intended to give advice to the best of our knowledge; it replaces any previous technical data sheets. The contents of this technical data sheet are not legally binding.

### > Technical data and specifications

Standard		80	78	76	74	72	70
Water-gypsum factor		0.8	0.78	0.76	0.74	0.72	0.70
Gypsum / Water	kg/l	1.25	1.28	1.32	1.35	1.39	1.43
Slump flow	cm	21	21	21	21	21	21
Initial setting time	min	16	14	14	14	14	14
Final setting time	min	32	28	28	28	28	28
Linear expansion	%	0.18	0.19	0.19	0.20	0.20	0.20
Act. capillary volume	%	50	49	48	47	46	45
Ball indentation hardness	N/m <sup>2</sup>	20	22	26	29	31	33

The begin of the hardening process and the expansion can be adjusted to the respective technical requirements.

### For further information

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### > Logistics and safety notes

Commercial form	bag, big bag and bulk
Shelf life	given dry storage, it can be stored for at least 6 months
Safety notes	see safety data sheet no specific hazards arising from Spezial 80 - 70

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