

58340 Alabaster Plaster, Italian

Chemical Analysis

Ignition loss (850°C):	H ₂ O	7.60 %
Calcium carbonate:	CaCO ₃	0.20 %
Sulfur oxide:	SO ₃	53.00 %
Calcium oxide:	CaO	38.60 %
Aluminium and Iron oxide:	Al ₂ O ₃ + Fe ₂ O ₃	0.50 %
Silicium oxide:	SiO ₃	0.10 %

Physical Mechanic Properties

Sieve Residue (75 µm):	0.3 – 0.5 %
Compressive strength:	57.7 – 60.5 kg.cm ²
Water absorption:	42 - 45 %
Hemi-hydrate:	87.85 %
Carbonate:	0.2 – 0.45 %
Processability:	8 - 10 min
Solidification time:	24 - 30 min
Temperature during solidification:	38 - 39°C
Compressive strength (45 % humidity):	24 - 26 kg.cm ²
Ratio gypsum - water	1.35 – 1.5 : 1
pH Value:	6.70