

## Precoated sand LH

Laviosa Chimica Mineraria developed the production of its resin coated during the past 30 years, gaining a substantial knowledge technological characteristics the materials and the process we employ must have for ensuring a constant high quality output of the finished products. In particular we experienced that the chemical composition and the fines content of the

sand, the shape and the size distribution of the grain, together with the quality of the resins, play a crucial role in the production of our resin coated sands. The constancy of the quality is continuously monitored through a fixed program of controls which comprises the following laboratory tests.

<b>Precoated sand LH</b>		LH 25/70	LH 35/70	LH 50/70	TH 70/90
GRAIN SIZE INDEX GRANULOMETRIA GRANULOMETRIE	[DIN]	50/55	50/55	50/55	92/102
THICKNESS AFTER 20" BAKING; 280° C SPESSORE DOPO COTTURA 280 °C 20" EPEISSEUR APRES CUIVRE 280°C 20"	[mm]	7,5/8,5	7,5/8,5	7,5/8,5	8,0/9,0
BAKING RATE VELOCITA' DI COTTURA VELOCITE' CUIVRE	[sec]	80/90	80/90	80/90	90/100
LOSS OF IGNITION PERDITA CALCINAZIONE PERTE AU FEU	[%]	3,0-3,4	3,5-3,9	3,9-4,3	4,5-5,0
TENSILE STRENGTH RESISTENZA TRAZIONE RESISTENCE TRACTION	[kg/cm <sup>2</sup> ]	>25	>35	>45	>50
<b>TRANSVERSE STRENGTH</b> RESISTENZA FLESSIONE RESISTENCE FLEXION	[kg/cm <sup>2</sup> ]	>50	>70	>80	>100