Pottery Plaster Main reference values: ≥ means greater than, ≤ means less than

Category	Product name	Water-mixing	Influx time	Finish time	Expansion (%)	Streng	th (MPa)	Uses	Features
Gategory	Product name	amount (%)	(minutes)	(minutes)	Expansion (%)	Wet tension	Wet compression	Uses	reatures
	HS-600	56-60	8.5-10	35–47	<0.18	>1.4	>8.3	General spinning lathe	
General-use	HS-650 (Equivalent grade)	61-65	7.5-9.5	35–47	<0.18	>1.1	>7.4	General spinning lathe Pressure casting	Excellent moisture absorbency Quick-drying plaster molds Anti-pore-clogging Good material removal from new
deneral use	HS-700	66-70	7.5–9	32-44	<0.18	>1	>6.4	Pressure casting	molds High moisture absorbency despite low water-mixing amount
	HS-750 (Grade-A equivalent)	71-75	7–9	32-44	<0.18	>0.9	>5.9	General spinning lathe	allow water mixing amount
For sand match prototype molds	HS-700 Minimal expansion	66-70	7.5-9.5	32-44	<0.15	>1	>6.4	Sample molds	Minimal expansion Good workability
	High case	46-50	9	31-43	<0.1	>1.3	>10.8	Case molds (Mainly for lathe molds)	Minimal expansion Neutral
For cases	H23B	40	7	<50	<0.08	>1.4	>16.5	Case molds	Minimal expansion, high-strength Good workability Neutral
	ST cases	50-54	6.5-9	29-41	<0.08	>1.3	>10.8	Case molds	Minimal expansion Good workability Alkaline
For wet presses	C-100P	35	10	<60	<0.1	1	-	Wet presses High-pressure casting	Minimal expansion Good permeability Outstanding durability
For special casting	C-100	32	10	44	0.07-0.11	>2.4	>23.5	Special casting	Outstanding durability Good permeability Mold drying unnecessary

Metal casting plaster Main reference values: ≥ means greater than, ≤ means less than

Category	Product name	Water-mixing	Agitation time	Finish time	Final expansion (%)	Strength (MPa)		Uses	Features
Category	Product name	amount (%)	(minutes)	(minutes)	Final expansion (%)	Wet tension	Wet compression	Uses	reatures
Foamability	G-1	80	Special agitation	30-40	<0.13	-	-	Tire mold making	Good permeability Good disintegration Good heat retention
Non-foaming	G-2	47–49	6	40-55	<0.12	>0.7	>3.6	Pâte de verre for generic prototype- making	Good dimensional precision Good casting surface smoothness
Non-roaming	G-6	47-49	4	35-45	<0.12	>0.8	>3.9	Tire mold making	Good dimensional precision Good casting surface smoothness
For lost-wax	T-6X	36-38	4	-	<0.7	>0.3	>1.3	Generic prototype-making	Good dimensional precision Good casting surface smoothness Easy removal from mold
casting	Gifts	40	3	-	0.5-0.9	>0.3	>2	Rings and other ornaments Eyeglass components	Compatible with rapid heating Good dimensional precision Good casting surface smoothness

Plaster for filler (construction and civil works) Main reference values

Classification	Product Name	Purity (%) CaSO₄	Median diameter (μ m)	Usage characteristics	Usage applications		
	Raw Gypsum A	-	-				
Dihydrate calcium sulfate (CaSO ₄ ·2H ₂ O)	P52A	95 40 Powder ch		Calcium sulfate component Powder characteristics (e.g. feature modifications)	Filtration aid antibiotic medium filler for resins and paints, agrochemicals, incense, fertilizers, etc.		
	P52B	95	20				
	P21A (Alpha calcium sulfate)	I Uh I					
Hemihydrate calcium sulfate	TA-85N (Beta calcium sulfate)	95	10-25	Note 1: Moisture absorbency Powder characteristics (e.g.	Desiccant for resins and plastics Filler for resins and plastics Agrochemical carrier Gypsum board, gypsum putty Polishing fixative, and more		
(CaSO ₄ ·1/2H ₂ O)	SB (Beta calcium sulfate)	95	20	feature modifications) Calcium sulfate component Hydration and hardening			
	FT-2 (Beta calcium sulfate)	95	20				
Type-II anhydrous calcium	D-101A	D-101A 95		Calcium sulfate component Powder characteristics (e.g.	Additive for special cements		
sulfate (IICaSO ₄)	D-700	*1:85	15–30	feature modifications)	Filler for (heat-resistant) resins and paints, and more.		
Type-III anhydrous calcium sulfate (IIICaSO4)	D-1	*2:90	20	Note 2: Absorbency (desiccation) Powder characteristics (e.g. feature modifications)	Desiccant for resins and paints Filler for resins and paints, and more		

Note 1: "Moisture absorbency" refers to the material's ability to absorb moisture (water droplets).

Note 2: "Absorbency" ("desiccation") refers to the material's ability to absorb moisture from the air.

^{*1:} II-CaSO₄ is at least 95% pure CaSO₄.

^{*2:} III-CaSO₄ is at least 95% pure CaSO₄.

Calcium sulfate (for use as a food additive) Main reference values: ≥ means greater than, ≤ means less than

Classification	Product name	150 mesh pass	Bulk density	рН	Packaging (kg)	Uses	Features
	Calcium sulfate B	>93	0.8	6-7.5	25		
	Calcium sulfate D	>95	0.9	6-7.5	25	E L LEC	
General-use	Calcium sulfate S	>93	0.8	6-7.5	20	Food additives Beer for drinking Water conditioner	Snow-white, high-purity
	Calcium sulfate T	>95	0.7	6-7.5	20		
	Calcium sulfate J	>75	0.7	6-7.5	20		
For tofu	Nittosumashi powder	>93	0.7	6-7.5	15	Food additive Coagulating agent for tofu	Produces firm, delicious, flawless, snow-white tofu.

Tooling Plaster Main reference values: ≥ means greater than, ≤ means less than *Measurements taken during drying.

Category	Product name	Water-mixing	Influx time	Finish time	Expansion (%)	Strengt	h (MPa)	Uses	Features
Gategory	Product name	amount (%)	(minutes)	(minutes)	Expansion (%)	Wet tension	Wet compression	Uses	reatures
	B-10	25–27	5	55–72	<0.3	-	*>23.5	Large precision plaster copies Hollow shapes Wax molds	Minimal expansion Good strength and hardness Alkaline
Resin mixture	B-110	30-33	7	30-42	<0.12	-	*>25	Small precision plaster copies Hollow shapes	Good strength and hardness Alkaline
	B-11· B	38-42	10	37-49	<0.1	>1.27	>9.8	Low-heat Neutral	Low-heat Neutral
For neutral models	B-12	38-42	10	35-45	<0.12	>1.76	>13.7	For general models Wax molds	High-strength Neutral Do not mix with alkalis
	B-13	38-43	10	45-60	<0.06	>1.47	>11.8	Disates assiss	Minimal expansion Standard Alkaline
	B-13R	38-43	7	32-42	<0.07	>1.76	>12.8		Minimal expansion Quick-setting Alkaline
For minimal- expansion models	B-13TY	38-43	10	80-100	<0.06	>1.47	>11.8	Ideal for small	Minimal expansion Quick-setting Alkaline
	B-13MS	48-52	7	32-42	<0.08	>1.67	>11.8	For plaster carving Resin reverse models	Good workability Alkaline
	B-13MSZ	48-52	5	23-31	<0.1	>1.67	>11.8	For plaster carving Resin reverse models	Good workability Instant-setting Alkaline

Orthopedic Plaster Main reference values

Catagory	Category Product name		Influx time	Influx time Finish time		Strengt	h (MPa)	Uses	Features	
Oategory	Product name	amount (%)	(minutes)	(minutes)	Expansion (%)	Wet tension	Wet compression		i Gatures	
For orthopedic use	Orthopedic exsiccated plaster	70-72	6-8	25-35	0.23	1.2	7.3	For plastic surgery (powdered)	Snow-white, high-strength	
Hard plaster	Gyp-tape, 2-cleft (15 × 450 cm)	ı	-	1	-	ı	-	For plastic surgery (hard-coating	High-strength	
bandages	Gyp-tape, 3-cleft (10 × 450 cm)	-	-	-	-	-	-	type)	Non-flaking	

Miscellaneous Plaster Main reference values: ≥ means greater than, ≤ means less than

Category Product name		Water-mixing	Influx time	Finish time	Expansion (%)	Strengt	h (MPa)	Uses	Features	
Oategory	Froduct name	amount (%)	(minutes)	(minutes)	Expansion (////	Wet tension	Wet compression		i catules	
For art and teaching materials	For teaching aterials	71-77	6-8	-	-	-		For art, for teaching materials	Snow-white, high-strength	
For grinding	For grinding	66-70	7–9	17-23	<0.1	>0.7	>3.9	Optics glass	Minimal expansion	
i or grinding	X Plaster	70-76	6-8	<25	<0.1	-	-	Grinding fixed	імінініаі баранзіон	

Subsidiary Materials

Category	Product name	Packaging	Units of delivery	Uses	Features	
	NS-300	1kg	1	Plaster mold matrices, wax, and complex-shaped matrices made from resin, etc.	Condensation type, minimal shrinkage Soft	
Silicone rubber (RTV)	NS-570	1kg	1	Plaster mold matrices, hollow casting matrices	Condensation type, minimal shrinkage Good tensile strength	
	NS-1000	1kg	1	Plaster mold matrices, urethane flow matrices	Condensation type, minimal shrinkage	
	Leon Clay S	1kg	20	For plaster, for resin, for general use	Spill prevention, clearance Regular hardness	
Clay	Leon Clay H	1kg	20	For plaster, for resin, for industrial use	Spill prevention, clearance Moderate hardness	
	Leon Clay D	1kg	20	For plaster, for resin, for precision use	Spill prevention, clearance High hardness	
Mold-releasing agent	Mold-releasing agent for plaster	900ml	1	For plaster (paraffin-based)	Good mold-releasability	
Mold Teleasing agent	Potash soap S	18kg	1	For plaster	Good mold-releasability	
Additive for surface	N-Seal A (main agent)	1kg	1	For plactor	Additive for increasing surface hardness and waterproof sealing	
hardening and waterproof sealing	N-Seal B (solvent)	N-Seal B (solvent) 1kg		For plaster	Additive for increasing surface nardness and waterproof sealing	
For Grand	White Line	20kg	1	Lane lines for race tracks	Safe and hygienic, low-polluting Calcium carbonate	

Synthetic wood Main reference values

Product name	Size (unit of delivery and item weight)	Bulk density	Porosity (%)	Bending strength (kgf/cm²)	Temperature tolerance (°C)	Thermal expansion (%)	Uses	Features
Pearl board	520 × 1565 × 50mm (2 sets per box, 47 kg)							Good cutting capability, good chipping, lightweight, good dimensional precision,
reari board	1040 × 1565 × 50mm (16 sheets, 752 kg)	0.6	60	120±10	150	±0	NC processing materials	heat-tolerant, not subject to deterioration, rotting, or pest damage
Ace Lite AH	1040 × 1565 × 50mm (16 sheets, 752 kg)							Good cutting capability, lightweight good dimensional precision, heat-tolerant, not subject to deterioration, rotting, or pest damage