

## Dental Plasters

Knauf dental plasters are formulated using high quality Alpha hemihydrate plaster to achieve high strength, smooth surface and accurate dimensional stability. They provide good workability for making die stone and dental stone models.

### TYPICAL PHYSICAL PROPERTIES

Product	Comet III	Planet	Stone-10	Sirius	Fine White
<b>Type</b>	III	III	III	III	II
<b>Mixing Ratio</b>	28	32	40	31	60
<b>Mixing time (sec)</b>	60	60	60	60	60
<b>Vicat setting time (minutes)</b>	7'30" - 10'00"	7'30" - 10'00"	4'00" - 15'00"	7'30" - 10'00"	10'00" - 14'00"
<b>Removal after (minutes)</b>	30	30	30	30	30
<b>Setting Expansion (%)</b> (Based on 2 hr. after setting)	≤ 0.15	≤ 0.25	≤ 0.17	≤ 0.22	≤ 0.25
<b>Compressive Strength (N/mm<sup>2</sup>)</b>	≥ 35	≥ 30	≥ 30	≥ 30	-
<b>Colors available</b>	Blue/ Cherry/ Green Ivory/ Pink/ Yellow	Blue/ Green/ Ivory White/ Yellow	Blue/ Green/ White Yellow/ Honey	Extra White	White

### MIXING INSTRUCTIONS

#### MIX PREPARATION

Weigh plaster and measure water accurately for each mix to ensure uniform moulds or casts. Always use clean cold water, tools and containers. Use of dirty tools or containers may reduce working time and strength.

Do not mix with residues of previously used compounds.

#### SOAKING

Add the dental plaster slowly and allow time for adequate soaking of water.

#### MIXING

Mix by hand or with a vacuum mixer (max of 400 rpm) until a workable paste has been achieved. can create surface imperfections and can reduce working time.

Caution: Do not overmix. Overmixing can introduce air bubbles, which can create surface imperfections and can reduce working time.

#### POURING

Pour the paste into a mould under vibration to eliminate bubbles.

#### DEMOLDING

This step should be done according to prescription.

#### STORAGE

Dental plasters should be stored under cover in a dry environment and protected from temperature extremes.

Storage in an unsuitable environment can shorten the life of this product.

It is recommended that Knauf dental plasters are used before the Best Before date displayed on the bag.

It may still be usable after that date if stored unopened, in an appropriate environment.

**For more Information**  
please e-mail: [ipinfo@knauf.com](mailto:ipinfo@knauf.com)

**Manufactured by**  
Knauf Plasters Co., Ltd.  
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### TYPICAL PHYSICAL PROPERTIES

Product	Virgo	Galaxy	Atlas	Die Stone OEM
<b>Type</b>	IV	IV	IV	IV
<b>Mixing Ratio</b>	21	21	24	28
<b>Mixing time (sec)</b>	60	60	60	60
<b>Vicat setting time (minutes)</b>	7'30" - 10'00"	6'00" - 8'00"	5'30" - 8'00"	7'30" - 10'00"
<b>Removal after (minutes)</b>	30	30	30	30
<b>Setting Expansion (%)</b> (Baesd on 2 hr. after setting)	≤ 0.09	≤ 0.09	≤ 0.12	≤ 0.15
<b>Compressive Strength (N/mm2)</b>	≥ 60	≥ 60	≥ 45	≥ 45
<b>Colors available</b>	Blue/ Cherry/ Golden Brown	Blue/ Honey/ Cherry/ Ivory/ White/ Salmon	Blue/ Honey/ Ivory/ Light Pink/ Yellow/ White	Ivory/ Pink/ Blue/ Yellow

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