

# Dental Plasters

## THAILAND

### DESCRIPTION

USG Boral 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.

### PRODUCT TYPICAL PHYSICAL PROPERTIES

	Virgo	Atlas	Comet III	Die Stone OEM	Planet	Stone-10
Type	IV	IV	III	IV	III	III
Mixing Ratio	21	24	28	28	32	40
Mixing time (sec)	60	60	60	60	60	60
Vicat setting time (minutes)	7.5 - 10	5.5 - 8	7.5 - 10	7.5 - 10	7.5 - 10	4 - 15
Removal after (minutes)	30	30	30	30	30	30
Setting Expansion (%) (Baesd on 2 hr. after setting)	≤ 0.09	≤ 0.12	≤ 0.15	≤ 0.15	≤ 0.25	≤ 0.17
Compressive Strength (N/mm2)	≥ 60	≥ 45	≥ 35	≥ 45	≥ 30	≥ 30
Colors available	Cherry / Pink / Green / Yellow / Blue			Dark Green / Blue / Dark yellow		

### 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. 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

USG Boral 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 USG Boral 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.

#### CAUTION

When mixed with water, this material hardens and becomes very hot sometimes quickly. DO NOT attempt to make a cast enclosing any part of the body using this material. Dust from mixing may cause irritation to eyes, skin, nose, throat and upper respiratory tract. Use only in a well-ventilated area, wear a NIOSH/MSHA-approved respirator. Wear eye protection. If eye contact occurs, flush thoroughly with water for 15 minutes. If on skin: Wash with plenty of water. If swallowed and/or irritation persists, call physician.

KEEP OUT OF REACH OF CHILDREN.

#### TRADEMARKS

The trademarks USG Boral, INNOVATION INSPIRED BY YOU, the USG Boral logo, the design elements and colors and related marks are trademarks of USG Boral Building Product Sdn Bhd or its affiliates.

#### SAFETY FIRST!

Follow good safety/industrial hygiene practices when using industrial plasters. Wear appropriate personal protective equipment. Read SDS and literature before use.

For more information,  
please e-mail: [ipinfo@usgboral.com](mailto:ipinfo@usgboral.com)

Manufactured by  
USG Boral Specialty Products Co., Ltd.  
29 Moo 7, Thaboonmee, Ko Chan,  
Chonburi 20240 THAILAND

SPC 16/01 - 2018