

alginate

DUST FREE ALGINATE
IMPRESSION MATERIAL

hydrogum®-hydrogum® soft
orthoprint®
phase® plus - tropicalgin
neocolloid®



Zhermack
CLINICAL

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Table 1. Technical data

	hydrogum®	hydrogum® soft	orthoprint®	phase® plus	tropicalgin	neocolloid®
1 Mixing Time	30"	30"	30"	45"	45"	45"
2 Working Time	1'10"	1'10"	1'05"	1'35"	1'35"	2'00"
3 Time in mouth (minimum)	1'00"	1'00"	0'45"	1'00"	1'00"	1'30"
4 Setting Time	2'10"	2'10"	1'50"	2'35"	2'35"	3'30"
5 Total working time (ISO 1563)	2'00"	2'00"	1'40"	2'25"	2'25"	3'20"

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Dust-free alginates for impressions.

INDICATIONS FOR USE

The wide range of Zhermack alginates has been conceived to meet the needs of dental practice.

Hydrogum: high consistency alginate for study models. Flavour: Mint

Hydrogum soft: creamy consistency alginate, does not compress tissue, especially suitable for preliminary edentulous jaw impressions. Flavour: Mint

Orthoprint: extra elastic, fast working alginate which is suitable for general practice. Its exceptional elastic properties make it suitable for use in orthodontics. Flavour: Vanilla.

Neocolloid: alginate for high precision impressions with normal setting times. Flavour: Chlorophyll.

Phase plus: chromatic alginate with a creamy consistency. Colour variations accompany each different preparation phase: violet during mixing, pink during working phase and positioning on the tray, white during the time in mouth while setting. Suitable in general clinical practice for the creation of study models. Flavour: Mint

Tropicalgin: high consistency chromatic alginate. Colour variations accompany each different preparation phase: red during mixing, orange during the work phase and positioning on the tray, yellow during the time in mouth while setting. Suitable in general clinical practice. The colour change associated with a pleasant flavour make it especially suitable for use in pedodontics. Flavour: Mango

DOSING AND MIXING

Open the bag (fig. 1) and pour the alginate into an airtight container (fig. 2).

Keep the lot number and expiry date of the product by cutting the relevant details off the bag. Shake 2 or 3 times to disperse the powder (fig. 3) then proceed with the mixing. Using the dosing spoon, remove the powder without compressing it, levelling off or removing any excess alginate by passing a flat spatula over the top of the spoon (fig. 4).

Pour the powder into a rubber cup. Repeat the operation until the required quantity is reached.

Add 1/3 of a measure of water (18 ml) for every spoonful of powder (9 g). E.g. for 2 measures of powder (18 g), or one impression tray, add 2/3 of a measure of water (36 ml) (fig. 5).

Close the container and store it at 5-27°C/41-80°F (fig. 12).

Add the water to the powder and mix for the times specified in the table (fig. 6).

Spread the material over the impression tray (fig. 7) and insert into the mouth before the end of the working time (fig. 8).

Wait for the material to harden until the end of the recommended time in mouth. In the case of coloured alginates, working time is easily recognised by the colour changes described previously.

For the best possible (homogeneous and bubble-free) mixing results, we recommend the use of ALGHAMIX II (fig.9).

TIMES FOR CLINICAL USE*

Refer to table 1 for times for clinical use (Table 1)

Line I: Mixing time (Mixing Time)

Line II: Working time (Working Time)

Line III: Time in mouth (Time in Mouth)

Line IV: Setting time (Setting Time)

Line V: Total working time ISO 1563 (Total working time ISO 1563)

*Times for clinical use (see table 1, Material Characteristics) are indexed to the start of mixing with deionised water at 23°C/73°F. Colder water retards setting, warmer water speeds up setting. Variations in water hardness may result in deviations in times. According to ADA 18-ISO 1563 specifications.

WARNING:

In sensitive subjects, vinyl polysiloxane may cause irritation or other allergic reactions.

CLEANING AND DISINFECTION OF THE IMPRESSION

After taking the impression, carefully rinse it in order to remove any traces of saliva (fig. 10), drain off the excess water and disinfect immediately. Ideal disinfection is achieved by immersing the impression in **Zeta 7 solution** or spraying it with **Zeta 7 spray** (Zhermack) (fig. 11). When using other disinfectants, always follow the manufacturer's instructions.

POURING THE IMPRESSION – RECOMMENDED DENTAL STONES

We recommend that you pour the impression immediately using dental stones type 3 (Elite Model/ Model Fast - Zhermack) or type 4 (Elite Rock - Zhermack) (fig. 13).

STORING THE IMPRESSION

If the gypsum cannot be immediately pour, drain off the excess water and store the impression in a hermetically sealed bag (Zhermack Long Life Bag) at room temperature (23°C/73°F). Under these conditions the gypsum pouring can be deferred for up to 48 hr after the impression taking (fig. 14).

IMPORTANT REMARKS: Consulting services on the use of our products, provided in any form, be that verbal, written or through demonstrations, are based upon the current state of dentistry and of our know-how. They are to be considered as non-binding information, also in relation to possible third party claims, and do not exonerate the user from personally checking whether the product is suitable for the planned use. Use and application by the user take place under no possible control by the Company, and are therefore under the user's responsibility. Possible liability for damages is limited to the value of goods supplied by the Company and utilized by the user. The product contains diatomaceous earth treated with a wetting agent to reduce the formation of breathing dust.

FOR DENTAL USE ONLY