

AL SILICA FREE PR: Technical Data Sheet

Alginate / INDUSTRIAL USE

1. Description and Main Features

- Alginate powder mixed with water hardens at room temperature.

1.1 Special feature

- Precision in reproduction
- Recommended for duplications
- Skin contact certification

2. Application

Body casting (precision in reproduction, recommended for duplications, bio-compatible)

3. INSTRUCTIONS FOR USE

Dose 2 parts of water and 1 part of alginate by weight. Mix the two elements together for approximately 60 sec. until the mixture becomes homogenous in color.

Apply the alginate to the object/body part to be duplicated. The material will harden after 2'30"/3' minutes from the start of mixing at 23°C.

The exact proportions (2 parts of water and 1 part of alginate) must be respected in order to obtain the correct times without altering the final characteristics of the product. The surfaces with which the material comes into contact must be perfectly cleaned.

The alginate is compatible with silicone, gypsum/plaster, ceramic plaster and cements.

5. Chemical and Physical Properties

Mixing ratio (in weight)	2 parts water / 1 part alginate
Viscosity	150-300 [Pa-s.]
Setting Time at 23 °C (73 °F)	2' 30" – 3'
Color	Light Blue

6. Available Packages

Zhermack code	Packages
DT30212	10 kg big bag
DT30210	20 x 500 g bags
DT30211	25 kg big bag

7. Safety Data Sheets

Before handling the product, read the safety data sheet and make sure to get all the information required for safe use.

8. Shelf Life

The “Best use before end” date of each batch is shown on the product label.

The AL SILICA FREE PR is guaranteed for a period of 24 months when stored correctly within the temperature range of 5°-27°C (41°-80°F).

Storage beyond the date specified on the label does not necessary mean that the product is no longer usable. In this case, however, the properties required for the intended use must be checked out for quality assurance reasons.
