

## Alginate

A dust free moulding material

**Preparation:** Alginate is a non-toxic, non-allergenic material that is used for detailed impressions. It is recommended that if you intend to use this product on skin or hair, you should lightly (and thoroughly) coat the intended area with a thin layer of Vaseline or petroleum jelly.

**Mixing Ratio:** 18g Powder to 40mL water. Note/ this ratio may be altered slightly to suit the application. Less water = faster setting and thicker viscosity. More water = slower setting and thinner viscosity.

**Mixing time:** 45 seconds at 23°C (material is violet colour)

**Working Time:** 1 minute and 45 seconds, including mixing time (material is pink).

**Setting time:** 3 minutes at 23°C, including working time (material is light pink / white colour).

**Note/** Colder water slightly retards the setting times, whilst using warmer water speeds it up.

**Note/** that these figures are based on the use of deionised water. Variations in water hardness may result in deviations from these values.

**Support:** After your alginate is set, depending on the size of your application you may need to support it. We recommend our plaster bandage for this application.

**Casting:** Alginate is a water based moulding material. Therefore the materials that you intend to pour into it should not be susceptible to inhibition by water. We recommend that you use Hydrostone casting plaster. Whatever your casting material, it should have a fast setting time (around 1 hour is preferable) because alginate dehydrates and shrinks evenly (up to 50%) over a short period of time.

**Removal:** Alginate is very soft when cured, and can be ripped off by hand or cut with a blunt instrument.

**Repair:** Alginate has a natural accelerant within its chemical make-up and can be repaired with "Flash" cyanoacrylate super glue.

**Disclaimer:** *The application, use and processing of this product is the responsibility of the user. Any technical or other advice, information or data provided by us whether verbal or in writing or byway of tests or trials, is given without guarantee or warranty.*