



## **Instructions for use**

Version 2025-1

### **Conforms to ASTM D-4236**

### **Suitable for age 14+**

#### **Product storage**

The clay should be stored wrapped in a cool and dry place. Avoid contact with all sources of heat including direct sunlight during storage to prevent premature hardening of the material.

#### **Work environment**

Keep the work area clear, and free of food and anything that may contaminate the clay during the activity. Start with clean hands. Suitable work surfaces include clean smooth plastic, metal tray, silicone baking mat, baking paper or toughened glass. Prevent the clay from coming into contact with fine furniture, carpet, clothing etc. Keep a clean dry cloth nearby for wiping hands and cleaning the work surface. This will help to prevent cross-contamination of the colours.

#### **Modelling**

Start by kneading to make the clay pliable and soft. The flat roller section of a pasta maker can be used for this, and to mix new colours and create thin sheets of clay with little effort. Shape the clay as desired. Use modelling tools and patterns to impress details. When joining pieces of clay, ensure they are firmly pressed together to create a good bond.

Items thicker than 20mm (3/4") should be formed around an armature made of foil, wire etc. This armature can then be covered with a base layer of clay and baked. Further layers can be added and the item re-baked. The material should not be used to make articles intended for food contact. All surplus clay should be wrapped and stored away once the activity is complete.

#### **Baking**

The baking of the clay should be done by a competent adult.

Preheat the oven to 130°C – 150°C (275°F – 300°F). The higher the baking temperature within the recommended range, the stronger and more durable the finished item will be. We recommend using a domestic oven thermometer, e.g. bimetal, to check the oven temperature. Do not use a glass thermometer. Place items on oven-safe tray or foil dish in the center of the oven. \*\*For best results, cover items with foil sheet or an upturned foil tray. This can help protect the Du-kit surface from temperature spikes and ensure your items still look great after baking\*\*

Bake items for up to 30 minutes. Very small and thin items may only require 15 minutes to cure properly. Do not exceed the recommended temperature range or time.

Remove items from the oven and allow them to cool completely before handling.

**Note:** During hardening, the clay may give off an odour. This is completely normal and not harmful.

#### **Finishing**

When baked items have cooled completely, they can be drilled, filed, polished, glued, painted or lacquered. Only acrylic paints and lacquers should be used.

Baked pieces can be glued together or to other materials like magnets and jewellery findings.

High strength (3-day cure) epoxy adhesive is the best choice for a strong permanent bond. Fast setting Super glues can also work well, especially for adhering baked Du-kit pieces together.

#### **Safety Information**

Do not place the clay in the mouth.

Do not heat the clay and cook food at the same time in a domestic oven.

Do not use a microwave.

#### **First Aid Information**

In the case of accidental burning / overheating and inhalation of unpleasant fumes: Seek fresh air.