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# VINAMOLD®

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Supplied by:

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Vinamold® compounds are a range of flexible mould-making materials that provide the ideal method for casting Concrete, Plaster, Glass Fibre and Polyester resins. Vinamold® is tough, re-usable and offers the most cost effective alternative to other mould making materials. Vinamold® is very well established, having been the leading hot melt compound for thirty years. Both in the United Kingdom and all over the world, Vinamold® is being successfully used in recreating originals in a variety of materials.

## WHAT IS VINAMOLD®

Vinamold mould making compound can be used in the creation of a range of moulds from the simple to complex; available in three colours – representing 3 harnesses, each of which is ideal for a variety of casting materials. It is a highly plasticised PVC compound giving both a flexible and durable product that is non-toxic and meets with safety requirements for children's toys.

**Yellow:** The hardest material – For use with large moulds and thin sections. For use with all the recommended casting materials.

**Red:** The most flexible – General purpose, particularly recommended for GRP laminates and Plaster (Natural available without pigment).

**White:** Combines flexibility with toughness – Ideal for concrete and Polyester resin. You can combine different colours to achieve intermediate flexibilities.

## WHY USE VINAMOLD®

**Cost Benefits:** Reusable (by melting down discarded moulds). The same mould can be used for numerous castings.

**Detail:** Exceptional detail reproduction.

**Flexibility:** Material retains flexibility whilst remaining tough.

**Multiple choice:** Choice of grades for different applications.

**Material properties:** Built in release agent.

**Safety:** Non-toxic provided the usage instructions are followed.

## HOW TO USE VINAMOLD®

To use Vinamold you require a melting pot. These can vary in capacity up to 250 litres. A case then needs to be constructed and heated Vinamold poured on the master. Once cool, the Vinamold mould is ready for use. For further information on the production of moulds, refer to the detailed instructions.

## WHERE TO USE VINAMOLD®

Vinamold has many applications in Construction, Interior Decoration, Ornamental, Education and Souvenirs. Here are just a few of the applications that Vinamold has been used as a mould for:

### Construction:

Prefabricated concrete panels, paving, decorative panels, ornaments, roof tiles.

### Interior Decoration:

Ceiling and wall embellishments, coving, cornices, friezes decorative effects, furniture, mirror picture surrounds, false beams – wood, stone, brick simulation, doors, plaques, etc. suspended ceiling, acoustic and thermal insulating tiles.

### Souvenirs:

Replicas of antique items, figurines, dolls heads, masks, historical replicas.

### Arts and Crafts:

Sculpture replicas, fossil casts.

## PHYSICAL PROPERTIES

### Yellow:

Melting temperature 150-170°C (302-338°F). Pouring temperature 140-150°C (284-302°F).

#### Use:

- a) where extremely thin sections are involved which could droop under their own weight.
- b) Where large moulds are required which should not deform under their own weight.

The greater hardness of yellow **Vinamold** minimises deflection in **a)** and creep in **b)**.

### White:

Melting temperature 170°C (338°F). Pouring temperature 170°C (338°F).

#### Use:

Combining flexibility with toughness, for moulds to be used in making concrete articles. Has best resistance to damage through rough treatment. For polyester resin casting, white **Vinamold** is preferred to the other types on account of its better resistance to heat rise (exotherm) during setting (cure) and reduced attack by the fire retardant additives present in some polyester resins.

### Red:

Melting temperature 150-170°C (302-338°F). Pouring temperature 140-150°C (284-302°F).

#### Use:

General purpose type, and for glass fibre reinforcement (GRP) laminates.

### Volume/weight relationship:

For calculation purposes the specific gravity of all 3 **Vinamold** grades may be taken as 1.0, so that 1 kg equals 1 litre, or 1 lb equals 27.5 cu.ins.

