

# **vinamold<sup>®</sup>**

REUSABLE FLEXIBLE MOULD COMPOUNDS





## VINAMOLD

### Reusable flexible mould compounds

#### WHAT IS VINAMOLD ?

Vinamold compounds are meltable vinyl compositions used for the preparation of flexible moulds. Reusable, they are used as alternatives to silicone rubbers, polyurethanes and rubber latex in the casting of concrete, gypsum, polyester resins, reconstituted stone and glass fiber laminates. Vinamold is a very well established name, having been the leading Hot Melt Compound for over 35 years in Europe and throughout the world. Vinamold comes in 5 different colours, representing 4 grades of hardness for specific applications. It is a highly plasticised PVC compound giving a flexible and durable product that is non-toxic.

#### WHERE TO USE VINAMOLD ?

- **Construction**

Prefabricated concrete panels, paving, decorative panels, ornaments, roof tiles and products made from GRC (Glass Reinforced Concrete) and Gypsum.

- **Interior Decoration**

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

- **Souvenirs**

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

- **Arts and Crafts**

Sculpture replicas, fossil casts.

#### WHY USE VINAMOLD ?

##### GENERAL PROPERTIES

- **Cost Effective**

Vinamold is cost effective as old moulds can be melted down, mixed with new Vinamold and re-used.

- **Detailed reproductions**

Exceptional detailed reproductions.

- **Adaptability**

Different grades for different applications as shown.

- **Use**

Vinamold has a built in release agent allowing easy extraction from moulds. It is solid at room temperature.

- **Durability**

Vinamold has good abrasion resistance.

- **Flexibility**

Vinamold retains flexibility whilst remaining tough.

- **Safety**

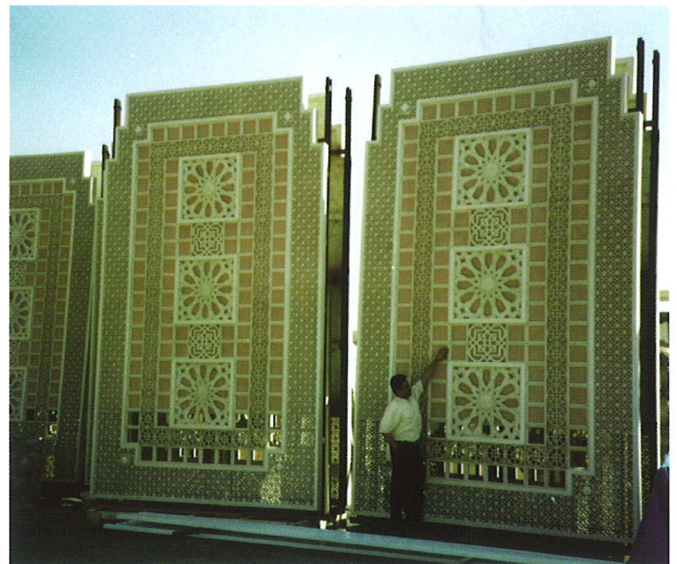
Vinamold is non-toxic provided the usage instructions are followed.

- **Miscibility**

All grades of Vinamold can be mixed together in any proportions to vary mould flexibility.



*Exceptional details reproduction*

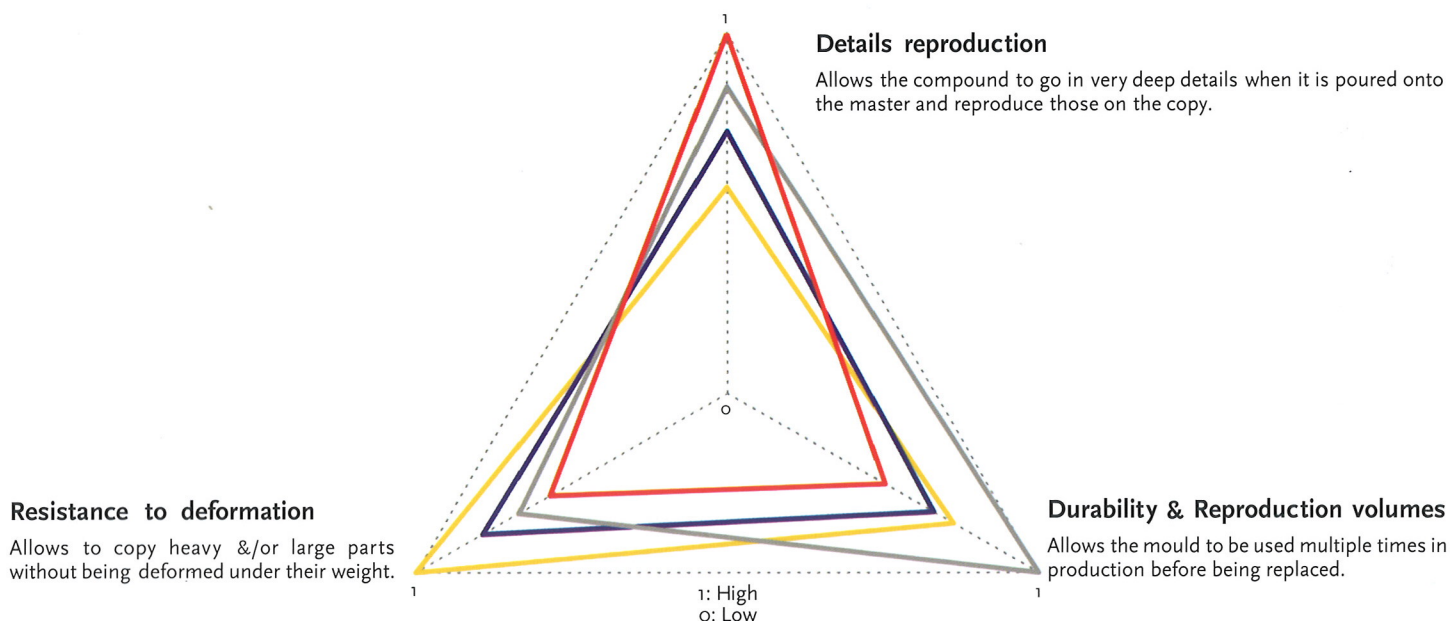


*Suitable for large realisation*



# PRODUCTS SPECIFICATIONS

## MOULDS SPECIFIC PROPERTIES



- Red & Natural Vinamold:** Softest materials, allowing to reproduce very deep details on small parts. Ideal for highly precise reproduction of Arts & crafts parts with a high level of detail.
- White Vinamold:** Combine flexibility with strength to reproduce small to medium size souvenirs with a good level of details in high volumes series.
- Blue Vinamold:** Material with good general properties. Allowing medium to large size interior decoration reproductions with the suitable level of detail.
- Yellow Vinamold:** Hardest material especially design for large size and/or heavy construction part reproduction.

## TECHNICAL SPECIFICATIONS

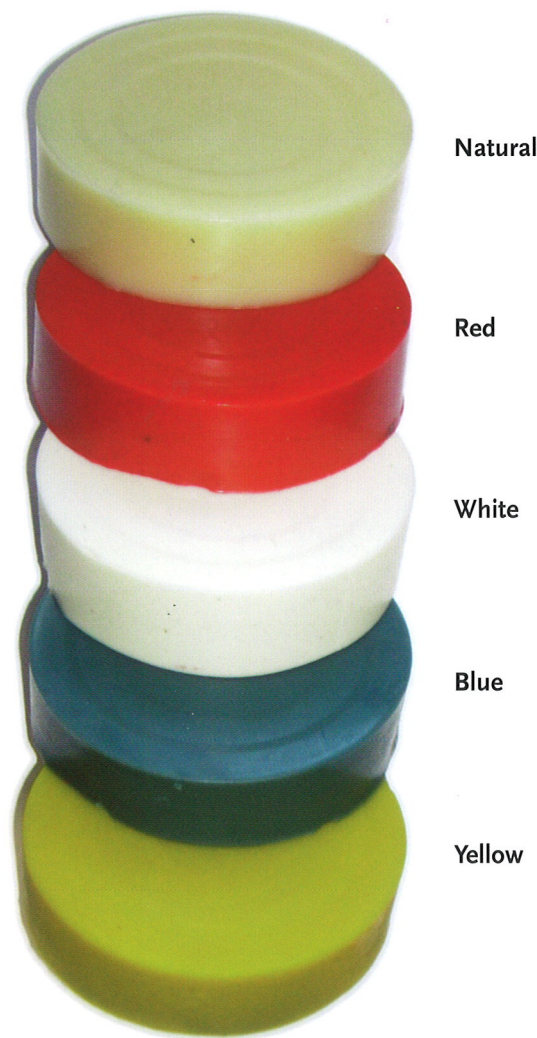
PROPERTY	Standard	Units	Red	Natural	White	Blue	Yellow
Shore 00 hardness	ASTM D 2240	Shore 00	40	40	47	55	70
Tensile strength at break	ISO 37	MPa	0,29	0,29	0,60	0,50	0,65
Elongation at break		%	178	178	293	182	176
Tearing resistance	ISO 34	kN/m	1,8	1,8	5,9	3,8	5,2
Abrasion resistance	ISO 5470 (1999) Taber 1000 revs/H22	mg/100u	89	89	45	68	62
Melting pot temperature	-	°C	150 to 170	150 to 170	170	150 to 170	150 to 170
		°F	302 to 338	302 to 338	338	302 to 338	302 to 338
Pouring temperature	-	°C	140 to 150	140 to 150	170	140 to 150	140 to 150
		°F	284 to 302	284 to 302	338	284 to 302	284 to 302
Density	ISO 1183	g/cm <sup>3</sup>	1,13	1,13	1,02	1,13	1,11

The data contained in this technical specification is given for information only and is based on our current knowledge of the products concerned.

This information given to our customer in good faith to inform him and to help him in his search, does not constitute any formal or implicit guarantees as to its use.



RANGE OF PRODUCT



PACKAGING & STORAGE

Vinamold is produced in slabs, then packed in plastic films and double thicknesses paper bags.

Please store Vinamold in the bags they are purchased in (or under cover if it has already been used) in a cool dry environment. Do not store in temperatures exceeding 60°C and do not stack Vinamold more than two pallets high.



HEALTH AND SAFETY

Please refer to our Safety Data Sheet.

Description
Index based on a spherical indenter's penetration depth. Scale from 0 (Very soft) to 100 (Soft).
Maximum tensile stress that a material can resist before breaking.
Elongation of the specimen at the break point under tensile stress.
Minimum tensile stress required to tear a pre-slit sample.
Ability to resist to abrasion. The figure shows the quantity of product destroyed after a certain number of abrasive cycles.
Temperature at which the melting pot should be adjusted to obtain a well melted and mixed material.
Temperature at which the material should be poured onto the master.
Mass per unit volume.



Ceiling embellishment

Roof tiles


Replica of antique item

Souvenir

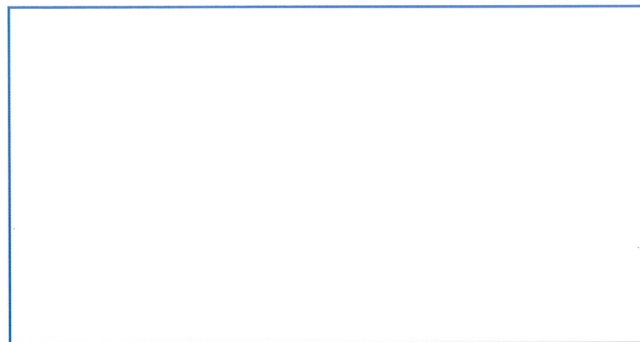






To receive information about the melting pot, please contact us.

## DISTRIBUTOR



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group