

JESMONITE CALCULATOR: HOW TO GET THE RIGHT QUANTITIES?

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ASTUCE

CALCULER SES
QUANTITÉS DE
JESMONITE



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Are you embarking on a creative project with Jesmonite and wondering how much to order? This article is here to guide you. Gone are the days when you had to guess the quantities needed for your creations. Whether you're making decorative objects, architectural elements or artistic pieces, calculating the right quantity of Jesmonite is essential. It helps you avoid waste and optimize your budget.

Your Jesmonite quantity calculator

To calculate the quantities required, fill your mold with water and measure the amount of water used, then refer to this table :

	Jesmonite AC100		Jesmonite AC730/AC84	
Quantity of water to fill your mold	Quantity of powder	Quantity of liquid	Quantity of powder	Quantity of liquid
10 mL	15 g	6 g	16.25 g	3.25 g
25 mL	35 g	15 g	41 g	8 g
30 mL	45 g	18 g	49 g	10 g
50 mL	75 g	30 g	81.25 g	16.25 g
60 mL	90 g	36 g	97.5 g	19.5 g
75 mL	105 g	40 g	122 g	25 g
100 mL	150 g	60 g	162.5 g	32.5 g
110 mL	165 g	66 g	178.75 g	38.75 g
125 mL	180 g	72 g	205 g	41 g
150 mL	215 g	86 g	243.75 g	48.75 g
175 mL	250 g	100 g	284 g	57 g
200 mL	287.5 g	115 g	325 g	65 g

If you buy a ready-to-use [Jesmonite kit](#), simply refer to the quantities indicated on the instructions. Also check the packaging of your [molds](#) to see if the recommended doses are indicated.

The benefits of precise calculation

Using a Jesmonite calculator transforms your creative approach, bringing you a host of tangible benefits.

- Save materials and money: by calculating your needs, you avoid over-ordering, which can add unnecessary costs to your projects.
- Reduced waste: Jesmonite has a limited shelf life once opened. Accurate calculation enables you to use up all your purchases.
- Better project planning: knowing your material requirements in advance allows you to efficiently organize your working time and anticipate your creation.
- More professional results: exact quantities guarantee compliance with ratios, a prerequisite for obtaining the optimum mechanical properties of Jesmonite.

The powder/liquid ratio: the key to beautiful Jesmonite

Respecting the right mixing ratio is crucial to achieving the optimum mechanical and aesthetic properties of Jesmonite. Each type of Jesmonite has its own specific ratio.

Table of common ratios :

Jesmonite type	Ratio Powder:Liquid	Main application	Example
Jesmonite AC100	2,5:1	General use, decorative objects	For 2.5 volumes of powder base, you need 1 volume of liquid base. Or for 250g of powder, 100g of liquid.
Jesmonite AC300	2,5:1	Exterior applications	For 2.5 volumes of powder base, 1 volume of liquid base is required. Or 250g of powder requires 100g of liquid.
Jesmonite AC730	5:1	High resistance	For 5 parts powder base, 1 part liquid base. Or for 500g of powder, you'll need 100g of liquid.

Important: always check the manufacturer's recommendations on the packaging, as formulations may change.

Tips for successful mixing and pouring

Mastering the Jesmonite mixing technique is essential to achieving professional results. Here are our tips for successful creations:

- Weigh the components precisely with a precision balance.
- Pour the liquid into the powder gradually (never the other way round).
- Mix gently for 2-3 minutes to avoid incorporating air.
- Respect working time (5-8 minutes depending on temperature)
- Pour immediately into your prepared mold
- Wait 30-45 minutes before unmolding

To avoid air bubbles :

- Use a flexible spatula to mix
- Lightly tap the silicone mold after pouring
- Work in a stable temperature environment (18-22°C)
- Avoid over-energetic mixing

Tips for adding pigments:

[Jesmonite pigments](#) should represent a maximum of 5% of the total weight of the mixture. Add them to the liquid before incorporating the powder for a homogeneous dispersion.

If you add too much pigment, it may harm your creation (difficulty setting, brittle finish, etc.).

Result