

The Snow Queen

FLAME PASTE COST BREAKDOWN

Fire usage information:

- 20 fires will be required to cover 1 test, 2 techs, 2 dresses and 15 performances
- The container is 610mm long and 130mm wide
- The fire needs to cover the length but not the width of the container
- The fire needs to last around 6 minutes

Le Maitre information on flame paste:

- <http://www.lemaitreltd.com/p/Angel-Fire-Flame-Paste/PKgbsXKCws8> - Spec

- 200ml of flame paste in a 75mm diameter container burns for 7 minutes 30 seconds –
Let's call this amount of flame paste Y

Number of Y of flame paste required for one fire:

Length fire needs to cover	Divided by	Size of Y		Number of amounts of Y required to reach the fire length
610mm	/	75mm	=	8.1

Quantity of flame paste required for one fire:

Number of sections required per fire	Times by	Amount of Y		Quantity of flame paste required per fire
8.1	X	200ml	=	1620ml

Amount of flame paste required to cover 20 shows:

Quantity of flame paste required per fire	Times by	Number of shows		Amount of flame paste to cover 20 shows
1620ml	X	20	=	32400ml or 32.40 litres

Le Maitre flame paste costings:

- Flame paste comes in tubs of 2.5 litres
- A 2.5 litre tub costs £65.00 (+ VAT) plus £17.00 (+ VAT) delivery per pot – presumably delivery costs would be reduced somewhat by bulk order
- Le Maitre will discount this by 15%

Price of a single tub of flame paste:

Tub price	Plus	Delivery price per pot		Total price per tub
£65.00	+	£17.00	=	£82.00
<i>With discount</i>				£69.70

Number of tubs required for 20 shows:

Number of litres requires	Divided by	Number of litres in a tub		Number of tubs required for 20 shows
32.40l	/	2.5l	=	12.96 – rounded up: 13 tubs

Total price of flame paste order:

Number of tubs required for 20 shows	Times by	Total price per tub		Total cost of flame paste order
13	x	£69.70	=	£906.10

Other flame paste providers have been looked into and have been more expensive.