

FLEXIL-S RTV A220 A+B

1. DESCRIPTION

Flexil-S RTV A220 A+B is a two part silicone elastomer which cures at room temperature using a platinum catalyst, to form a flexible elastic 23 shore A material.

2. ADVANTAGES

- High elongation
- Good tear strength
- Low viscosity
- 50:50 mixing ratio
- Low shrinkage

3. APPLICATIONS

Suitable for the production of moulds with moderate undercuts where a high degree of accuracy is required. Once cured, suitable for use with plaster, polyester, polyurethane, epoxy and ceramic materials.

4. CHARACTERISTICS

a) CONSTITUENTS:

	RTV A220 Part A	RTV A220 Part B
Appearance	Viscous liquid	Viscous liquid
Colour	White	Green
Specific Gravity gcm ³ @ 20°C	1.2	0.98
Viscosity/cps	21,000	950

b) MIXING

Flexil-S RTV A220/by weight		Pot Life /mins	Demould/ hours	Full cure @ 20°C
Part A	Part B			
100 parts	100 parts	60	8-12	7 days

c) AFTER CROSSLINKING

Shore Hardness/A [ASTM D2 240 2mm film]	23
Tensile Strength/Mpa [DIN 53504]	4.5
Elongation at break/1% [DIN 53504]	400
Tear Strength KN/m [ASTMS D624 Notched Die B]	15
Linear Shrinkage	<0.1

Information contained in this document is the result of careful tests carried out objectively. It has been produced to aid the Buyer, but without implying any commitment on our part. The Buyer shall remain responsible for satisfying himself that the products as supplied by us are suitable for his intended purpose. Since we cannot control the application, process, or use of these products, we cannot accept responsibility therefore.

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d) INHIBITION OF POLYADDITION RTV

Silicone RTVs curing by polyaddition are susceptible to inhibition when in contact with certain substrates. Inhibition may be as little as surface tack, or as much as partial curing. Examples include: Moisture, sulphur, petroleum oils and waxes, urethane, epoxy or silicone mastic systems that are not fully cured, tin cure RTV and catalyst, PVC tubing, copper, zinc, brass, aluminium etc.

Inhibition can be avoided by using Ivory Plastiline modeling wax, fully cured models, new clean spatulas and mixing pots or coating the model with a primer barrier such as Primer 4171.

5. PACKING

Available in 10kg kits.

6. HEALTH & SAFETY

(Refer to Health & Safety Data Sheet)

Handling and mixing of **Flexil-S RTV A220 A+B** require the following precautions:

- i. Wear clean gloves & goggles.
- ii. Do not wear latex gloves or gloves containing white powder.
- iii. Do not eat, drink or smoke.
- iv. Avoid swallowing, skin, or eye contact.
- iv. If contact does occur, wash with soap and clean water immediately & in the case of eye contact, consult a doctor

7. SHELF LIFE

Flexil-S RTV A220 A+B has a minimum shelf life of six months when stored in unopened cartridges at temperatures between 18 and 25°C.

Note: If allowed to freeze RTV will be spoilt. If allowed to heat to excessive temperatures, gel times will be substantially shortened. If allowed to become contaminated, the RTV may exhibit inhibition.

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