

## ZC 20-120: TECHNICAL DATA SHEET

### 1. Description and Main Features

ZC 20-120 is A poly-condensation RTV 2 silicon rubber that vulcanizes at room temperature.

### 2. Principali settori d'applicazione

- **Industrial** ( realization of silicone mould / duplications ). The product stays in contact with non – aggressive materials.

### 3. Dosage and mixing

The product is composed by a BASE component (white COLOUR) and a CATALYST component (transparent COLOUR).

Mix energetically the mass (mixing ratio base + 5%) till to obtain an homogeneous colour. The hardening happens in approximately 16-20 hours.

After 24 hours the product is hardened.

#### 3.1 Use

The percent of catalyst to mix is 5% . The exact proportion must be respected to obtain the correct hardening of the product.

### 4. Chemical and Physical Properties

ZC 20-120 BASE		ZC 45 CURING AGENT	ZC 120 NON FLAMMABLE
<b>Properties</b>		Working time (@ 23°C) <b>75 min. (*)</b>	Working time (@ 23°C) <b>90 min. (*)</b>
<b>Material</b>	liquid	Setting Time (@ 23 °C) <b>18 hours (*)</b>	Setting Time (@ 23 °C) <b>24 hours (*)</b>
<b>Base Viscosity</b>	25000 cP	Hardness after 72h <b>23 ShA</b>	Hardness after 72h <b>23 ShA</b>
<b>Base Density</b>	1.19 g/cc	Tear Resistance <b>17 N/mm</b>	Tear Resistance <b>15 N/mm</b>
<b>Mixing ratio B + C</b>	100 + 5	Strength Resistance <b>3 MPa</b>	Strength Resistance <b>3 MPa</b>
		Elongation at break <b>400%</b>	Elongation at break <b>400%</b>
		Dimensional variation <b>0,5%</b>	Dimensional variation <b>0,5%</b>

**(\*) The working time and setting time depends significantly on the temperature and air-humidity. They also vary depending on the size of the cured item.**

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C.F. e P.IVA IT00594630295  
R.E.A. 86603 - R.I. RO 00594630295  
M. RO 001381 - Isc. Reg. A.E.E. IT07111000002  
Cap. Soc. € 1.032.000,00

## 5. Available packaging

DT00661	ZC 20-120 BASE 1 KG
DT00662	ZC 20-120 BASE 5KG
DT00663	ZC 20-120 BASE 20 KG
DT00664	ZC 20-120 BASE 200 KG
DT00681	ZC 45 CURING AGENT FAST 1KG
DT00680	ZC 45 CURING AGENT FAST 50g
DT00682	ZC 45 CURING AGENT FAST 10KG
DT00683	ZC 45 CURING AGENT FAST 250g
DT00676	ZC 120 NON FLAMMABLE CURING AGENT 1g
DT00677	ZC 120 NON FLAMMABLE CURING AGENT 250g

## 7. Safety data sheets

The safety data sheet are available at Zhermack SpA.

## 8. Shelf Life

ZC 20-120 and ZC 45 /ZC 120 Non Flammable are guaranteed for a period of 12 months if conserved correctly between 5° - 27°C (41° - 80°F).

## IMPORTANT OBSERVATIONS

The advice given verbally, in writing or through demonstrations on the use of the products are based on our knowledge. The use and application of the product by the user lie beyond the control of the company and are therefore the user's own responsibility.

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