

DESCRIPTION

Production of molds requiring after complete hardening a good chemical resistance (solvents in particular)

PROPERTIES

- Easy to handle
- Reduced toxicity (without Bisphenol A)

PHYSICAL PROPERTIES				
Composition		RESIN	HARDENER	MIXED
Mix ratio by weight		100	10	
Mix ratio by volume at 25°C		100	17	
Aspect		Thick liquid	Liquid	Thick Liquid
Colour	GC1 080 GC1 080 WE GC1 080 GN	Blue White Green	Amber	Blue White Green
Viscosity at 25°C (mPa.s)	ISO 3219:1993	52,000	500	22,000
Specific gravity at 25°C (g/cm ³)	ISO 1675 : 1985	1.78	1.03	-
Specific gravity of cured product at 23°C	ISO 2781 : 1996	-	-	1.72
Pot life at 25°C on 165 g (min)	-			25
Gel time in thin layer at 23°C (min)				60
Tacky time for application of 2nd coat at 23°C (min)				60 - 150

PROCESSING CONDITIONS

Resin part is filled : rehomogenize before using

After mixing according to the ratio, proceed to application with a brush.

MECHANICAL PROPERTIES at 23°C (1)			
Hardness	ISO 868 : 2003	Shore D1	90
Flexural modulus	ISO 178 : 2010	MPa	4,450
Flexural strength	ISO 178 : 2010	MPa	82

(1) Average values obtained on standardized specimens / Hardening 24h at 23°C + 16h at 80°C

THERMAL AND SPECIFIC PROPERTIES

Glass transition temperature (Tg) After	48 H 23°C 16 H 80°C	ISO 11359-2 : 1999	°C	61 104
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HANDLING PRECAUTIONS

Normal health and safety precautions should be observed when handling these products :

- Ensure good ventilation
- Wear gloves, safety glasses and waterproof clothes

For further information, please consult the product safety data sheet.

STORAGE CONDITIONS

Shelf life of both parts is **24 months** in a dry place and in their original unopened containers at a temperature between 15 and 25°C

PACKAGING

GC1 080 RESIN	GC1 080 WE RESIN	GC1 080 GN RESIN	GC 14 HARDENER
12 x 0.5 kg 1 x 5 kg	1 x 5 kg	12 x 0.5 kg	1 x 0.5 kg 12 x 0.05 kg

GUARANTEE

The information contained in this technical data sheet result from research and tests conducted in our Laboratories under precise conditions. It is the responsibility of the user to determine the suitability of AXSON products, under their own conditions before commencing with the proposed application. AXSON guarantee the conformity of their products with their specifications but cannot guarantee the compatibility of a product with any particular application. AXSON disclaim all responsibility for damage from any incident which results from the use of these products. The responsibility of AXSON is strictly limited to reimbursement or replacement of products which do not comply with the published specifications.