

DESCRIPTION

Surface coating moulds or parts requiring a good abrasion resistance (foundry patterns, core boxes).

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		Blue	Amber	Blue
Viscosity at 25°C (mPa.s)	ISO 3219 : 1993	35,000	500	15,000
Specific gravity at 25°C (g/cm ³)	ISO 1675 : 1985	1.70	1.03	-
Specific gravity of cured product at 23°C	ISO 2781 : 1996	-	-	1.65
Pot life at 25°C on 165 g (min)	-			37
Gel time in thin layer at 23°C (min)				90
Tacky time for application of 2nd coat at 23°C (min)				90 - 180

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	89
Flexural modulus	ISO 178 : 2010	MPa	5,500
Flexural strength	ISO 178 : 2010	MPa	81
Compressive strength	ISO 604 : 2002	MPa	105

(1) Average values obtained on standardized specimens / Hardening 24h at 23°C + 16h at 70°C



BUILDING TRUST



GC2 070 RESIN GC 14 HARDENER

Epoxy Gel coat
Abrasion resistant
Reactivity 37 min

THERMAL AND SPECIFIC PROPERTIES

Glass transition temperature (Tg) After	48 H 23°C 16 H 70°C	ISO 11359-2 : 1999	°C	51 90
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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 **GC2 070 Resin** is **12 months** in a dry place and in their original unopened containers at a temperature between 15 and 25°C

Shelf life of **GC 14 Hardener** is **24 months** in a dry place and in their original unopened containers at a temperature between 15 and 25°C.

PACKAGING

GC2 070 RESIN	GC 14 HARDENER
12 x 0.5 kg	1 x 0.5 kg
1 x 10 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.

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