

HYBTONITE® CRC

- ✓ Low viscosity 100 % reactive CNT modified resin system
- ✓ Suitable for coatings of high wear and chemical resistance

Resin systems

Hybtonite® CRC is a low viscosity 100 % reactive CNT modified epoxy resin system. It is suitable especially for coatings of high wear resistance and chemical resistance.

The Hybtonite® CRC resin system is made using the patented Hybtonite® technology and a unique blend of special resins. Also the resin system can be manufactured tailor-made

with different curing agents and accelerators to meet required cure rate, pot life and properties.

TABLE 1: Process data

Before mixing	Mixing	Curing
Clear the surface from dust, grease and moisture.	Mix the resin with curing agent properly for minimum 1–2 min.	The product cures even in cold temperature but higher temperature gives better cure and properties.
The higher the temperature of the object, the better flow and wetting are achieved.	Use electrical mixer.	Heat cure range is from 6 hours at 60 °C to 5 minutes at 200 °C.
If possible preheat the HYBTONITE® resin component to 20 – 40 °C before use.	For the best results, consult with Amroy Europe Oy.	

Vertical surfaces in hand laminating

The system can be thickened with 2 % HDK / Aerosil for laminating vertical surfaces. This helps especially against sagging/draining. Also available in all RAL colours.

The system does not crystallize and has a long storage stability of at least 3 years when properly stored in closed containers.

HYBTONITE® CRC

TABLE 2: Technical data

Hybtonite® CRC	Amroy CA40	Elastic	Amroy CA50
Mix ratio (by weight)	100:40	3:2	100:50
Mix viscosity 25 °C, mPa·s	250	300	300
Resin viscosity 25 °C, mPa·s	900 – 1200		
Density, kg/l	1.06	1.06	1.06
Colour	Clear when cured; light black/green in liquid		
Gel time 25 °C (150 g)	max 15 minutes	max 45 minutes	max 25 minutes
Min cure temperature, °C	0	10	10
Thin film set time at 25 °C	2 hrs	4 hrs	3 hrs
Max Tg, °C	90	70	80
Elongation at break, %	6	15	6
Specifically	chem. resistance	asphalt	concrete

TABLE 3: Reference

Customer	Application	Country
Baltic Tank Oy	chemical tanks	Finland

Storage Data

The products can be stored at temperatures between 0–60 °C in closed containers in dry place protected from direct sunlight. Storage time is at least 3 years.

TABLE 4: Sales Packages

Product/package	IBC	Drum	Can
HYBTONITE® CRC	1000 kgs	225 kgs	20 kgs
Amroy CA40 / CA50	900 kgs	180 kgs	18 kgs

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