

ADDcure® 9450S

ADDcure® 9450S is a curing agent for epoxy systems, based on a specially modified adduct, with low viscosity.

In general ADD cure® 9450S is an ideal curing agent for applications in civil engineering, industrial maintenance, marine coatings; it is suitable when used with liquid and solid epoxy resins for the formulation of primers, adhesion promoters for concrete (bondcoats), solvent-free or low VOC (Volatile Organic Compounds) systems.

Main characteristics of epoxy systems based on ADD cure® 9450S are:

- Extreme tolerance to wet substrates;
- Excellent adhesion;
- Fast curing at low temperature (10°C);
- Low viscosity;
- No “blooming” at low temperature.

CHEMICAL – PHYSICAL PROPERTIES

Appearance:	amber	liquid
Active content :	100 %	
Color Gardner:	12 max	
		(Typical value : 6)
Brookfield viscosity (mPa.s a 25°C):	500 - 1500	
		(Typical value: 600)
Amine value (mg KOH/g):	270 - 310	
		(Typical value:300)
Average Hydrogen Equivalent:	114	
PHR in combination with liquid epoxy resin (EEW= 186):	60	
Pot life 150 g at 25°C with liquid epoxy resin (EEW =186): ...	35 – 40'	

TYPICAL PERFORMANCE

Use level (ADDpoxy® 828):	60
Gel time (150g, 25°C):	37 min
Thin film set time, 25°C:	6 hr
Full curing time, 25°C:	4 : 7 days
Hardness 120 µm film:	
Konig 25°C, after 1 day:	26
Konig 25°C, after 7 days:	162
Konig 5°C, after 1 day:	3
Konig 5°C, after 7 days:	135
Konig high humidity, after 1 day:	12
Konig high humidity, after 7 days:	161

HANDLING AND STORAGE

ADDcure® curing agent may absorb moisture and CO₂ if the drums are not securely closed. ADDcure® curing agents should be stored in a dry place at a temperature between 5 and 35°C; in this condition the shelf life is at least 1 year, from the date of manufacture in the original sealed container.

Lower temperatures could increase the viscosity (reversible) and cause haziness. ADDcure® curing agents and epoxy resin must be mixed just before application; avoid contact with eyes and skin, do not inhale vapours, wear protective clothes, glasses and gloves. Use only with adequate ventilation.

For further information, refer to MATERIAL SAFETY DATA SHEET.

What is indicated in this data sheet is offered in good faith for the benefit of our clients. The Company, however, cannot assume any liability or risk in the use of its products since the conditions of use are beyond our control. Statements concerning the possible use of our products are not intended as recommendations and it is the responsibility of the user to ensure the product is suitable for the intended use.

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This version cancels all previous versions