



Araldite® GY 23919/Aradur® 23919

Araldite® GY 23919 and Aradur® 23919 is a water based epoxy system that is mixed 1:1. It is easily mixed and cures to a clear tough film. It bonds to dry as well as damp surfaces.

Some applications this system can be used for are:

- As a waterproof concrete topping with high strength and fast cure for use on factory floors, heavy duty traffic areas, cement rendering, repair of spalling concrete.
- For application in concrete screeds to facilitate even curing and smooth finish, prevention of water evaporation and hairline cracks.

Physical Properties

Araldite® GY 23919		Aradur® 23919	
Specific Gravity:	0.98-1.12 kg/m ³	Specific Gravity:	0.95-1.02 kg/ m ³
Viscosity:	20,000-30,000 mPa.s	Viscosity:	65,000-110,000 mPa.s
Appearance:			white
Non Volatiles:	60-66%	Non Volatiles:	26-30%

Surface Pre-treatment

Araldite® GY 23919 and Aradur® 23919 can be applied over poorly prepared surfaces. For best results however a thorough surface preparation is required. An epoxy primer is recommended for application on metal. Plasterboard, brickwork should be clean and free of dust. In case of a concrete surface the following procedure is recommended:

The surface should be free from grease, oil and loose material. Once clean laitance needs to be removed this is best carried out by:

- Mechanical abrasion
- Acid etch-concentrated Hydrochloric acid mixed 1:1 with water and applied 0.5 l/m². After approximately 10 minutes the area should be washed and scrubbed with a stiff bristled broom.

Processing Data

Araldite® GY 23919 and Aradur® 23919 should be mixed together in equal parts by weight or volume. The pot life of 500ml mixture is about one (1) hour at 25°C. The mix can be diluted by adding up to one (1) part of tap water maximum to nine (9) parts of the Resin/Hardener Mix.

For optimum cure properties ensure the substrate temperature is above 15°C and sufficient ventilation is achieved. In a well-ventilated area and at temperature of 25°C, tack free time should be from 2 to 3 hours.



Clean Up

Any spillages should be cleaned up as they occur. Use dry sand or sawdust to soak up bulk of large spillages, and deposit into waste drums. Clean up small spillages before they set with Eposolve 70 (Huntsman Advanced Materials) or warm water and detergent. **CAUTION:** *Eposolve 70 contains Toluene and should only be used in well ventilated areas. Avoid direct skin contact. For further information, refer to the specific instruction sheet.*

Handling precautions**Caution**

Huntsman Advanced Materials Pty Limited products are generally quite harmless to handle provided that certain precautions normally taken when handling chemicals are observed. The uncured materials must not, for instance, be allowed to come into contact with foodstuffs or food utensils, and measures should also be taken to prevent the uncured materials from coming into contact with skin, since people with particularly sensitive skin may be affected. The wearing of impervious rubber or plastic gloves will normally be necessary; likewise the use of eye protection. The skin should be thoroughly cleansed at the end of each working period by washing with soap and warm water. The use of solvents is to be avoided. Disposable paper - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. These precautions are described in greater detail in Huntsman Advanced Materials Pty Limited Publication No. 24264/3/e Hygienic precautions for handling plastic products of Huntsman Advanced Materials Pty Limited and in the Huntsman Advanced Materials Pty Limited Material Safety Data sheets for the individual products. These publications are available on request and should be referred to for fuller information.

First Aid

- If the material enters eyes, flood with water for at least 15 minutes, then consult a doctor.
- If skin rashes or allergic responses (such as wheezing, swelling) occur, consult a doctor.
- If swallowed, **DO NOT** induce vomiting. Drink copious amounts of water and contact a doctor or the Poisons Information Centre.

If more specific information on toxicity and safe handling is required, the following publications are available from Vantico on request.

Material Safety Data Sheet

"Epoxy Resins - Instructions for Use, Handling and Disposal"

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