

WEST SYSTEM 407 Microballoons**Introduction**

WEST SYSTEM 407 is a Low-Density Phenolic Microballoon-based filler used to make fairing putties that are easy to sand or carve.

When added to epoxy resin, WEST SYSTEM 407 filler displaces the resin with air creating a thick low density compound. Use WEST SYSTEM 407 to extend resin, to reduce weight, shrinkage and sanding.

The addition of a small percentage of WEST SYSTEM 406 will reduce resin drainage and assist spreading properties. Various resin systems may react differently so experiment before proceeding to large projects.

WEST SYSTEM 407 is reasonably strong on a strength-to-weight basis. Also cures to a dark red/brown color; popular for matching wood.

Typical Usages

- Filletting
- coving
- Fairing compounds

Mix Instructions

WEST SYSTEM 407 may be added at various loadings pending on the desired consistency; and intended application. In most cases there are two desired forms.

Cream consistency: add 2 volume (dry bulk) of WEST SYSTEM 407 to the volume of mixed epoxy resin and hardener. Stir in thoroughly by hand using a broad spatula.

Paste consistency: add 3 volume (dry bulk) of WEST SYSTEM 407 to the volume of mixed epoxy resin and hardener. Stir in thoroughly by hand using a broad spatula.

Note: Due to the mixed viscosity of WEST SYSTEM 407 is it highly recommended a build up of thin layers using a trowel. This will limit the amount of air voids and less material needing sanding.

It is advised that end-users should carry out tests to determine for themselves the suitability of WEST SYSTEM 407.

Physical Properties

	Value
Appearance	Red/brown Powder
Bulk Density (g/500cc)	41.0
Moisture content (%)	1.8

Formulation	Typical Formula
WEST SYSTEM Z105 Resin	100ml
WEST SYSTEM Z205 Hardener	20ml
WEST SYSTEM 407 Microfiballoons	240 – 360ml
Cure Schedule	7days @ 20°C

Storage Keep in original unopened packaging in a cool, well ventilated area and out of direct sunlight. Opened packaging should be tightly sealed in air tight containers to limit moisture absorption.

Health & Safety Adhesive Technologies NZ Ltd provides its customers with a product specific Material Safety Data Sheet (MSDS) to cover potential health effects, safe handling, storage, use and disposal information.

Direct skin contact should be avoided, WEST STEM 407 should not be ingested; in an unlikely event WEST STEM 407 is ingested see your nearest physician immediately.

- Use with good ventilation and adequate safety equipment including gloves.
- If skin contact occurs, wash with lanolin based hand-cleaner and water.
- If eye contact occurs, immediately wash for 15 minutes with running water.
- If swallowed:

Resins - DO NOT induce vomiting, and contact a doctor or the Poisons Information Centre.

Hardeners – DO NOT induce vomiting, give plenty of milk or water and contact a doctor or Poisons Information Centre.