

WEST SYSTEM® 411 Microsphere Blend is a low density filler used as a thickening agent with WEST SYSTEM® Epoxy to create a lightweight filling putty, with excellent filleting characteristics. WEST SYSTEM® epoxy thickened with 411 Microsphere Blend is also used as a low density adhesive for edge-gluing cedar and DuraKore for strip plank construction.

The inclusion of 411 Microsphere Blend into the resin and hardener mix, essentially produces a cellular structure with some loss of tensile and compressive strength, but flexibility remains excellent. Pot-life of the epoxy mixture decreases with the inclusion of the Microsphere Blend although overall cure rate in thin layers is little changed.

MIX RATIO

Mix the WEST SYSTEM® resin and hardener first as per instructions, taking great care to mix thoroughly, then gradually stir in the filler to thicken the mixture as desired.

WEST SYSTEM® 105 Resin	1L
WEST SYSTEM® 205 Hardener	200 ml
411 Microsphere Blend (dry bulk)	2 L

** This mix will give a moderately low viscosity for ease of spreading while retaining a reasonable excess of epoxy to allow for soakage into the timber in adhesive applications.

The addition of too much filler will result in a dry “doughy” mix that may affect the adhesion of the filler to the substrate.

PROPERTIES

WEST SYSTEM® 411 Microsphere Blend:

- odourless, white fluffy powder

PACK SIZES	
Order Code	PACK
411 B	4 L
411 C	12 L
411 D	20 L

STORAGE

WEST SYSTEM® 411 Microsphere Blend will keep for 2 years if kept in plastic containers at room temperature (15°C to 32°C), and out of direct sunlight. Containers should be tightly sealed to prevent moisture absorption.

HEALTH AND SAFETY

WEST SYSTEM® 411 Microsphere Blend has moderate sensitising potential, and should be kept out of the eyes and off the skin. Good room ventilation is usually adequate for most operations, however, it is recommended that care should be taken to avoid inhalation.

- Use with good ventilation and adequate safety equipment including impervious gloves, safety glasses and dust masks
- Wash skin thoroughly after handling.
- If eye contact occurs, immediately flush with running water for at least 15 (fifteen) minutes and seek medical advice.
- If swallowed, DO NOT induce vomiting, give plenty of milk or water and contact a doctor or the Poisons Information Centre.

NOTE Our products are intended for sale to industrial and commercial customers. We request that customers inspect and test our products before use and satisfy themselves as to contents and suitability. Nothing herein shall constitute a warranty, express or implied, including any warranty or merchantability or fitness, nor is protection from law or patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special or consequential damages.