

Resin System

Code: 7900

Product description.

Navimare Resin System is a 100% epoxy system suitable for various construction and repair jobs of wood, GRP, metals and other substrates. The product has excellent penetration and its high adhesive strength makes exceptionally suitable for wood lamination jobs. The Resin can be adjusted to a low-density putty by adding the microsphere compound. It also enhances sound- and heat insulation.

By adding the microfiber compound, the Resin system can be used for crack filling or in making T-joints.

Technical properties.

Colour/Texture	Transparent/ Glossy
Volume Solids	100%
Specific gravity	1.1 gr/ml
Flashpoint	>95°C

Surface Preparation

All type of substrates should be dry and free from grease, waxes, salts and other contaminants. Sand the substrate before applying Navimare Resin System.

Usage instructions

Substrate should be dry and free from contaminations. Relative Humidity should be less than 90 %RH. Mix pack A and pack B well. Do not mix more Resin System than can be used in 30 minutes. The Resin should not be thinned. The product can be applied by brush, roller or when the microspheres or microfibres are added, by putty knives.

For wood protection at least 4 coats of the Resin System has to be applied to a total dry film thickness of 350 micron.

Use with Microfiber compound.

Adding fibers gives a high-strength filler. The level of addition determines the consistency of the mixture. Always mix both parts of the Resin system first prior to add the fibers. The fibers can be added up to 2 times the volume amount of the mixed resin.

Use with Microsphere compound.

Adding the microspheres gives a super light filler, which is easy to sand. The level of addition determines the consistency of the mixture. Always mix both parts of the Resin system first prior to add the microspheres. The microspheres can be added up to 2-3 times the volume amount of the mixed resin.

	Volume amount of Microfiber Compound on Mixed Navimare Resin System 7900			Volume amount of Microsphere Compound on Mixed Navimare Resin System 7900		
	50%	100%	100-200%	50%	100%	200-300%
Result of mixture and typical usages.	Gives a smooth, fluid glue suitable for smaller repairs.	Gives a high-bodied glue suitable for gluing irregular shaped parts.	Gives a paste suitable for filling large gaps or making T-joints.	Gives a super light fluid for repairing small imperfections or for gluing.	Gives a bodied filler for crack repair.	Gives a light paste suitable for filling large cracks and holes.

Application data.

Mixing ratio by weight	Base to hardener: 70 to 30
Mixing ratio by volume	Base to hardener: 67 to 33
Potlife	30 minutes hours at 20° C
Dry film thickness per coat	75-100 micron
Wet film thickness per coat	75-100 micron
Practical coverage	8,0 sq.m/liter when applied at 100 micron thickness
Cleaner	Navimare Epoxy Thinner 7603
Surface Temperature	Minimum 5°C Maximum 30°C

Drying and recoating times.

Substrate temperature	Dry to recoat	Fully cured	Maximum recoating (1)
10 °C	24 hours	10 days	4 days
23 °C	12 hours	7 days	2 days
30 °C	8 hours	4 days	1 day

(1) The surface should be dry and free from salts and other contaminants prior to overcoating. When the maximum recoat time has been exceeded or after prolonged exposure times it is necessary to roughen the surface in order to ensure intercoat adhesion. When in doubt, consult your nearest Navimare office.

Health and safety.

Observe the precautionary notices on the label of the container. A material safety data sheet is available upon request and national or local safety regulations should be followed. As a general rule, avoid skin- and eye contact by wearing overalls, gloves, goggles, mask, etc. Spillage on the skin should immediately be removed by thorough washing with lukewarm water and soap or a suitable industrial cleaner. Eyes should be flushed with fresh water and medical attention sought immediately.

This product contains flammable materials and should be kept away from sparks and open flames. Smoking in the area should not be permitted.

Disclaimer

The information in this data sheet is provided to the best of our knowledge. However, we have no control over either quality or condition of the substrate and other factors affecting the use and application of this product. Therefore, we cannot accept any liability whatsoever or howsoever arising from the performance of the product or for any loss or damage arising from the use of this product. We reserve the right to change the product without notice.

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