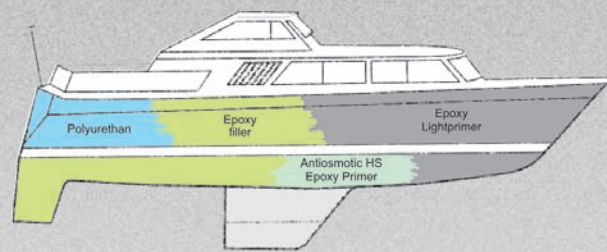


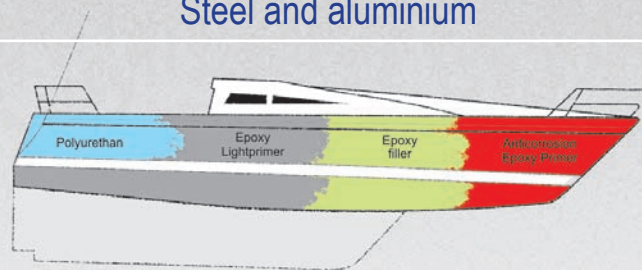


Boat repairs with Sea-Line®

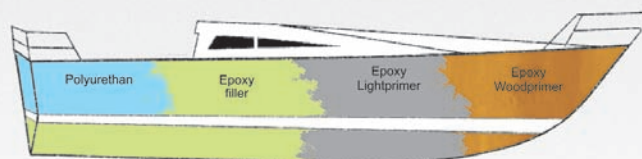
GRP



Steel and aluminium



Wood



Poliurethan Topcoat Color		Polyurethan topcoat - high quality two-part gloss yachting top coat recommended above waterline. Particularly recommended to protect areas against water, salt, scratches and uv radiation. Recommended use on: aluminum, steel, wood and laminates.
Polyurethan Clear Coat		High gloss or mat finish. Contains UV absorbers to provide longer life and protect wood.
Selfpolishing antifouling		Recommended for wood, steel and GFK boats. Suitable for watercrafts up to 40 Knots.
Anti-osmosis HS epoxy primer		2-component, solvent-free, thick-layering epoxy ground coat, especially recommended for protecting yachts and other water craft below the water line. For use one hulls reinforced with fibre glass or steel. Also for use on damaged laminate. Creates a durable and water proof coating. A perfect groundcoat for all kinds of anti-fouling coatings.
Lightprimer GRP epoxy primer		High-quality 2-component epoxy ground coat. Excellent foundation for surface paints and varnishes above and below the water line. Especially recommended for yachts and water craft made from polyester and epoxy laminates.
Woodprimer epoxy ground coat for wood		2-component clear epoxy varnish recommended for priming wood surfaces. Excellent under epoxy ground coats and polyurethane enamels. Creates a durable elastic coating
Anti-corrosive epoxy primer		Especially recommended for priming steel surfaces above and below the water line. Ensures excellent protection against corrosion and excellent adhesion of subsequent layers.
Epoxy fillers		Wide range of epoxy fillers - universal, lightweight and with fibre-glass.
GELCOAT filler		Thick gelcoat for scratch repairs. Can be applied on vertical surfaces.
Polyester fillers		Universal, lightweight, with fiberglass - characterized by a very fast drying: just 25 to 30 minutes at 20 °C. Recommended for filling out scratches and defects on parts of the water craft above the waterline.
Polyester modelling filler		Easy coating, excellent flexibility and relatively long pot life. Recommended for large surfaces.
Epoxy resin		Multifunctional, high adhesion, easy to measure and easy to mix. We recommend this resin for laminating and all type of surface repairs - above and below the waterline. Kit include instruction of use.
Polyester resin		We recommend this resin for laminating and surface repairs mainly when fast curing time is needed. Kit include instruction of use.
Gelcoat repair kit		Minor scratches, dings, and finishing repairs are easily taken care of with the gelcoat repair kit. This is a high-quality polyester topcoat which forms a barrier against water and uv radiation. Gives finished jobs a high-gloss finish, a hard, clean, and shiny surface, and resistance to long-term environmental factors. Leaves no residue after drying.
Cleaner		Cleaner used for cleaning surfaces before laquering. Impurities, such as silicone, wax, grease are dangerous as they prevent the user from achieving a good laquer coating. The product is uses for cleaning substrates: metal substrate, also not primed, steel substrate, aluminium substrate, old lacquer coatings, polyester putties, stainless material, acryl filler, gfk. Highly recommended before painting.
Fibreglass mat and glassfabric		Sea-line® glass mats and glass fabric are light, easy to shape, and absorb resin well. Can be used for lamination or repairing damages.. Mats are available in 150, 300 i 450 g/1m ² Fabrics are available in 200, 300 i 450 g/1m ² pkt Package contains 0,5m ² 1m ² 3m ² .



Step by step

boat repairs with Sea-Line®

www.sea-line.eu

EPOXY FILLERS Sea - Line®

	UNIVERSAL	LIGHTWEIGHT	FIBERGLASS
Mix proportions by volume (l)	2 : 1	2 : 1	1 : 1
Mix proportions by weight (g)	100 : 44	100 : 52	100 : 50
Pot life at 20°C	10 minutes	50 minutes	25 minutes
Curing time 20°C	5 hours	24 hours	24 hours
Color	Light grey	White	Light green
Weight Comp A	1L - 1650g	1L - 820g	1L - 1800g
Weight Comp B	1L - 1550g	1L - 850g	1L - 900g
Main advantage	Fast curing time, perfect for small repairs	Light weight White color	Proportions 1:1 Weight Comp. B Reinforcement Low exothermic peak

GRP BOAT SYSTEM						
LIGHTSYSTEM						
Product	Number of coats	Thinning ratio	Pot life at 20°C	Time before applying next coat		
				Min.	Max.	
Above the waterline						
Polyurethan	1 - 2	Thinner PU brush / roll 15% - 25% spray 45% - 55%	6 h	30 min.	72 h	
Below the waterline (apply 5 cm above real waterline)						
Epoxy Lightprimer	1 - 2	Thinner for epoxy primers brush / roll 5% - 10% spray 5% - 50%	2 h	4 h	5 days	
Antifouling	Above system can be over coated with every kind of antifouling selfpolishing as well as hard one					

ANTYOSMOTIC SYSTEM - new hull						
Below the waterline (apply 5 cm above real waterline)						
Epoxy Lightprimer	1	Thinner for epoxy primers: brush / roll 5% - 10% spray 20% - 30%	2 h	4 h	5 days	
Antiosmotic HS Epoxy Primer	2 - 4	Thinning not recommended	45 min.	8 h	72 h	
Epoxy Lightprimer	1	Thinner for epoxy primers: brush / roll 5% - 10% spray 5% - 50%	2 h	4 h	5 days	
Antifouling	Above system can be over coated with every kind of antifouling selfpolishing as well as hard one					

OSMOTIC REPAIR SYSTEM						
Below the waterline (apply 5 cm above real waterline)						
Epoxy Lightprimer	1 - 2	Thinner for epoxy primers: brush / roll 5% - 10% spray 5% - 50%	2 h	4 h	5 days	
Epoxy filler	If necessary 1. for leveling small areas universal epoxy filler is recommended 2. for large areas epoxy lightweight filler is recommended 3. for thick applications epoxy filler with fiberglass is recommended					
Antiosmotic HS Epoxy Primer	2 - 4	Thinning not recommended	45 min.	8 h	72 h	
Epoxy Lightprimer	1 - 2	Thinner for epoxy primers: brush / roll 5% - 10% spray 5% - 50%	2 h	4 h	5 days	
Antifouling	Above system can be over coated with every kind of antifouling selfpolishing as well as hard one					

GRP BOAT SYSTEM						
RECOMMENDED STANDARD SYSTEM						
Product	Number of coats	Thinning ratio	Pot life at 20°C	Time before applying next coat		
				Min.	Max.	
Above the waterline						
Epoxy Lightprimer	1 - 2	Thinner for epoxy primers: brush / roll 5% - 10% spray 5% - 50%	2 h	4 h	5 days	
Epoxy filler	If necessary 1. for leveling small areas universal epoxy filler is recommended 2. for large areas epoxy lightweight filler is recommended 3. for thick applications epoxy filler with fiberglass is recommended					
Epoxy Lightprimer	1 - 2	Thinner for epoxy primers: brush / roll 5% - 10% spray 5% - 50%	2 h	4 h	5 days	
Polyurethan	1 - 3	Thinner PU brush / roll 15% - 25% spray 45% - 55%	6 h	30 min.	72 h	
Below the waterline (apply 5 cm above real waterline)						
Epoxy Lightprimer	1 - 2	Thinner for epoxy primers: brush / roll 5% - 10% spray 5% - 50%	2 h	4 h	5 days	
Epoxy filler	If necessary 1. for leveling small areas universal epoxy filler is recommended 2. for large areas epoxy lightweight filler is recommended 3. for thick applications epoxy filler with fiberglass is recommended					
Epoxy Lightprimer	2 - 4	Thinner for epoxy primers: brush / roll 5% - 10% spray 5% - 50%	2 h	4 h	5 days	
Antifouling	Above system can be over coated with every kind of antifouling selfpolishing as well as hard one					

REMEMBER:

- Correct surface preparation is the condition of good product application.
- Degrease the work surface, sand with sandpaper, remove dust and degrease again. Wash off salts and any other impurities with fresh water. Use Sea - Line® cleaner.
- Minimum temperature for application epoxy products is +10°C.
- Do not exceed the recommended amount of hardener.
- Mix contents well until mixture is a solid color.
- Only mix enough product for immediate use.
- Use only thinners recommended by producer.
- Epoxy fillers are the only ones recommended for elements of the hull below the water line.
- For epoxy fillers and non solvent hs epoxy filler we recommend to apply sea-line epoxy lightprimer before applying the polyester topcoat system.
- System below the water line apply 5 cm above real waterline.
- Primers do not require polishing when proper amount of time is given between applying separate coats.
- Sea-line product usage scheme requires getting acquainted with technical data sheet (TDS) and MSDS.
- Always work according to technical data sheet and MSDS. Download TDS and MSDS here: www.sea-line.eu

STEEL AND ALUMINIUM BOAT SYSTEM						
Product	Number of coats	Thinning ratio	Pot life at 20°C	Time before applying next coat		
				Min.	Max.	
Above the waterline						
Anticorrosion Epoxy Primer	2 - 3	Thinner for epoxy primers: brush / roll 5% - 10% spray 10% - 50%	2 h	4 h	5 day	
Epoxy filler	If necessary 1. for leveling small areas universal epoxy filler is recommended. 2. for large areas epoxy lightweight filler is recommended. 3. for thick applications epoxy filler with fiberglass is recommended.					
Epoxy Lightprimer	1 - 2	Thinner for epoxy primers: brush / roll 5% - 10% spray 5% - 50%	2 h	4 h	5 day	
Polyurethan	2 - 3	Thinner PU brush / roll 15% - 25% spray 45% - 55%	6 h	30 min.	72 h	
Below the waterline (apply 5 cm above real waterline)						
Anticorrosion Epoxy Primer	2 - 3	Thinner for epoxy primers: brush / roll 5% - 10% spray 5% - 50%	2 h	4 h	5 day	
Epoxy filler	If necessary 1. for leveling small areas universal epoxy filler is recommended. 2. for large areas epoxy lightweight filler is recommended. 3. for thick applications epoxy filler with fiberglass is recommended.					
Epoxy Lightprimer	1 - 2	Thinner for epoxy primers: brush / roll 5% - 10% spray 5% - 50%	2 h	4 h	5 day	
Antifouling	Above system can be over coated with every kind of antifouling selfpolishing as well as hard one					

SYSTEM FOR KEEL						
Product	Number of coats	Thinning ratio	Pot life at 20°C	Time before applying next coat		
				Min.	Max.	
Below the waterline						
Anticorrosion Epoxy Primer	1 - 2	Thinner for epoxy primers: brush / roll 5% - 10% spray 5% - 50%	2 h	4 h	5 day	
Epoxy filler	If necessary 1. for leveling small areas universal epoxy filler is recommended 2. for large areas epoxy lightweight filler is recommended 3. for thick applications epoxy filler with fiberglass is recommended					
Antiosmotic HS Epoxy Primer	2 - 3	Thinning not recommended	45 min.	8 h	72 h	
Epoxy Lightprimer lub Anticorrosion Epoxy	1 - 2	Thinner for epoxy primers: brush/thinner 5% - 10% spraythinner 5% - 50%	2 h	4 h	5 day	
Antifouling	Above system can be over coated with every kind of antifouling selfpolishing as well as hard one					

WOOD BOAT SYSTEM						
Product	Number of coats	Thinning ratio	Pot life at 20°C	Time before applying next coat		
				Min.	Max.	
OPTION I						
Above the waterline						
Epoxy Woodprimer	1 - 3	Thinner for epoxy primers: brush / roll 5% - 10% spray 20% - 30%	8 h	5 h	7 day	
Epoxy filler	If necessary 1. for leveling small areas universal epoxy filler is recommended 2. for large areas epoxy lightweight filler is recommended 3. for thick applications epoxy filler with fiberglass is recommended					
Epoxy Lightprimer	1	Thinner for epoxy primers: brush / roll 5% - 10% spray 5% - 50%	2 h	4 h	5 day	
Poliuretlan	2 - 3	Thinner PU brush / roll 15% - 25% spray 45% - 55%	6 h	30 min.	72 h	
OPTION II						
Above the waterline						
Polyurethan Clearcoat	2 - 3	Thinner PU brush / roll 15% - 20% spray 15% - 20%	3 h	30 min.	72 h	
Polyurethan Clearcoat	2 - 4	Thinner PU brush / roll 0% - 5% spray 0% - 5%	3 h	30 min.	72 h	
OPTION I AND II						
Below the waterline (apply 5 cm above real waterline)						
Epoxy Woodprimer	1 - 3	Thinner for epoxy primers: brush / roll 5% - 10% spray 20% - 30%	8 h	5 h	7 day	
Epoxy filler	If necessary 1. for leveling small areas universal epoxy filler is recommended. 2. for large areas epoxy lightweight filler is recommended. 3. for thick applications epoxy filler with fiberglass is recommended.					
Epoxy Lightprimer	1 - 2	Thinner for epoxy primers: brush / roll 5% - 10% spray 5% - 50%	2 h	4 h	5 day	
Antifouling	Above system can be over coated with every kind of antifouling selfpolishing as well as hard one					

