

The logo for API, consisting of the lowercase letters 'api' in a white, bold, sans-serif font, set against a red, tilted rectangular background.

marine underlays

Api resin underlays are a range of approved flooring systems for levelling indoor and outdoor surfaces that combine functionality with ease of application. Corrosion protection, levelling, weight control and surfaces that can receive any finish.

Industry recognised competences and durable technology to extend the life of ship decks. Over 50 years of experience on ships.

api
protective coatings
and resin flooring

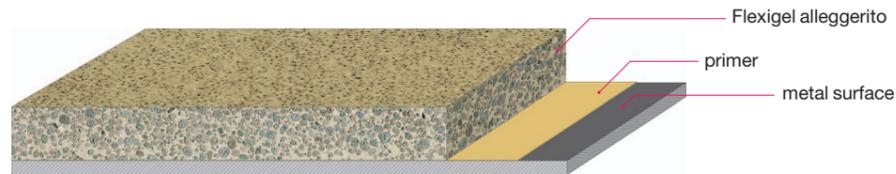
via trieste 13
16018 mignanego
genova, italia

t +39 010 7720751
f +39 010 7720248
api@api-spa.com
www.api-spa.com

api usa
15801 nw 15th ave.
Miami Gardens, fl
33169, usa

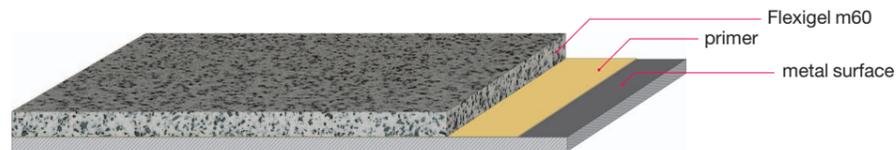
flexigel alleggerito sottofondo

One of the most widely used IMO-approved resin underlays in the marine industry. Made of two-component polyurethane resin and selected aggregates, Flexigel alleggerito represents an excellent compromise between elasticity, viscoelastic properties and resiliency. It can be applied in a single layer to full thickness. Curing time can be adjusted according to temperature. It can be sanded to receive finishing flooring materials, most commonly resin top coats.



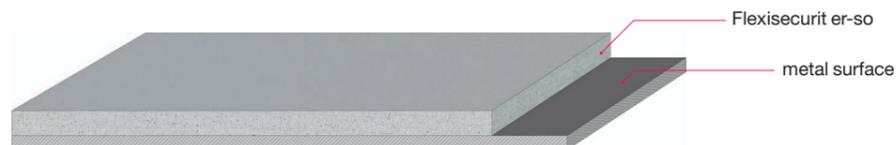
flexigel m60

Flexigel m60 is a highly elastic and flexible IMO-approved underlay. It has great viscoelastic and impact-noise reduction properties. Generally used on all areas with specific acoustic requirements or where high elasticity flooring is preferred, such as sport areas and jogging tracks.



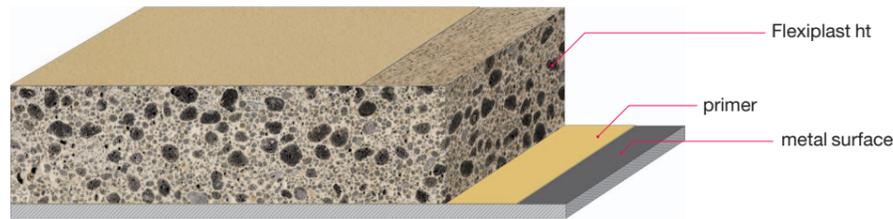
flexisecurit er-so

Flexisecurit er-so is a three-component, IMO-approved, epoxy flooring system derived from naval experience, with high resistance to mechanical stress. It is mainly used in all indoor areas where the floor is subject to heavy-duty use. Nevertheless, being a marine underlay, it remains constantly flexible. It can be applied directly on steel after suitable floor preparation, also without primer. A primer (Primer poliuretano sp) is generally used whenever it is necessary to preserve the steel preparation. It is without doubt one of the best referenced epoxy underlays in the marine and naval industry.



flexiplast ht

Flexiplast ht is an IMO-certified underlay for high-thickness, heavy-duty, indoor floors. With an average weight of 1 kg/l and the ability to reach very high thicknesses up to 50 mm or more, it is the ideal underlay for most heavy-duty indoor areas in a ship, whenever high thicknesses are required. It can be finished with resin topcoat (e.g. Flexisecurit er), tiles, etc.



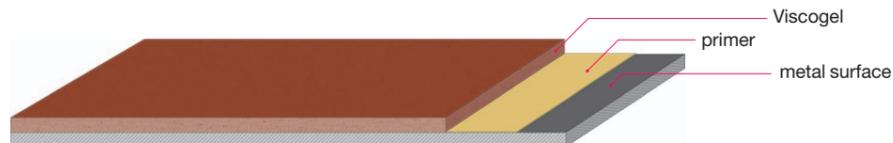
flexiplast It

Flexiplast It is an underlay with an average weight of 0.8 kg/l. IMO-certified for application in thicknesses up to 25 mm, it is the ideal underlay for the indoor application of most traditional flooring materials such as vinyl, carpets and other finishing or coating materials (to be assessed on request).



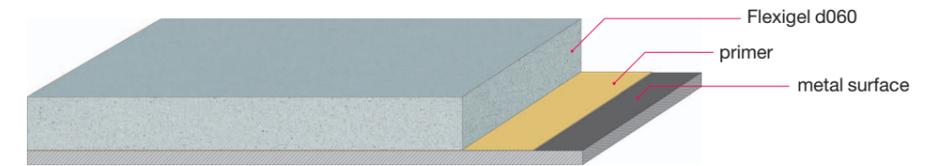
viscogel

Viscogel is a primary deck covering for sound damping. Its main purpose is to reduce structural vibration significantly due to its permanent viscoelastic characteristics. It is normally topped by a levelling compound (mainly Flexigel alleggerito or Flexiplast hw) to achieve the required thickness and the necessary levelling. IMO-certified for application in thicknesses up to 1.5-2 mm.



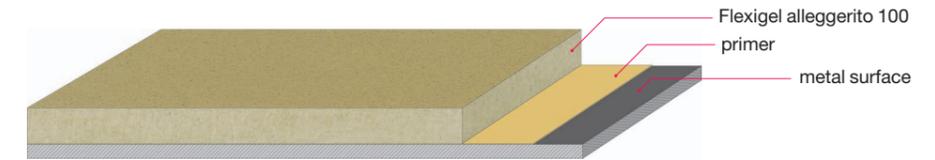
flexigel d060

This very light underlay has an average specific weight of 0.60 kg/l. Very flexible at all thicknesses and IMO-certified for application in thicknesses up to 15 mm, Flexigel d060 is one of the products in most demand in the yacht industry and mandatory for all projects where reduced weight is essential. Flexigel d060 has also been formulated for highly cambered decks, is easy to sand and can be applied at full thickness in a single step.



flexigel alleggerito 100

This light and flexible underlay, with an average specific weight of 0,90 kg /l, is easy to apply and ideal for all levelling applications where the minimum thickness must be close to zero. It is very practical for "patch" levelling and easy to sand. When cured, the material has a smooth surface for easy and fast sanding. Flexigel alleggerito 100 is suitable for many types of topping material.



	Scope	IMO/MED	Specific weight	Use	Primer	One coat to full Thickness
Flexigel alleggerito sottofondo	Flexible light weight underlay	•	1 ± 0,1 kg/l	Indoor Outdoor	•	•
Flexigel m60	Sound damping and high elastic underlay	•	1,20 ± 0,1 kg/l	Indoor Outdoor	•	•
Flexisecurit er-so	High resistance underlay at low thick., mostly tech. areas	•	2,10 ± 0,1 kg/l	Indoor		•
Flexiplast ht	High resistance underlay at high thickness, i.e. galleys, pantries, lockers	•	1 ± 0,1 kg/l	Indoor	•	•
Flexiplast It	Ideal for indoor for most traditional covering material such as resilient sheets, vinyl, carpets, parquets	•	0,78 ± 0,1 kg/l	Indoor	•	•
Viscogel	Sound damping properties	•	1,30 ± 0,1 kg/l	Indoor Outdoor	•	•
Flexigel d060	Applied where reduced weight is essential	•	0,60 ± 0,1 kg/l	Indoor Outdoor	•	•
Flexigel alleggerito 100	Generally applied where the minimum thickness on peaks must be close to zero such as patch-levelling		1 ± 0,1 kg/l	Outdoor	•	•