

Offshore / Marine



HI EP Deck Coat was launched in 1989 as the first HI product developed specifically for the offshore market.

Until then, no epoxy-based flooring systems were available for steel substrates.

Steel expands and contracts much more than concrete when exposed to wide temperature fluctuations, thereby producing much greater stresses in the material. If the coating system is not flexible enough, cracks will soon form and the coating will flake off.



Wear resistance	High
Flexibility	High
Compressive strength	Very high
Adhesion	Very high
Temperature tolerance	Medium
Colour fastness	Medium

HI EP Deck Coat was developed as a general flooring system with good adhesion to steel and absorption of substrate stresses. The coating is wear-resistant, has excellent compressive strength as well as good chemical resistance and is easy to clean.

Area of use

HI EP Deck Coat is typically used on decks, helidecks and walkways, and in loading/offloading areas. If the thickness of the coating is increased, it is also suitable for areas exposed to heavy loads, for example container decks.

Advantages

- Approved to NORSOK
- No emission of diisocyanates in case of fire
- Cost-efficient
- Wear resistant
- Can withstand heavy loads
- Provides good corrosion protection
- Short laying time
- Easy to clean and maintain

Standard colours [exact match not guaranteed]

RAL 5015	RAL 6001	RAL 6002	RAL 6029
RAL 7036	RAL 7038	RAL 7040	

HI EP Deck Coat

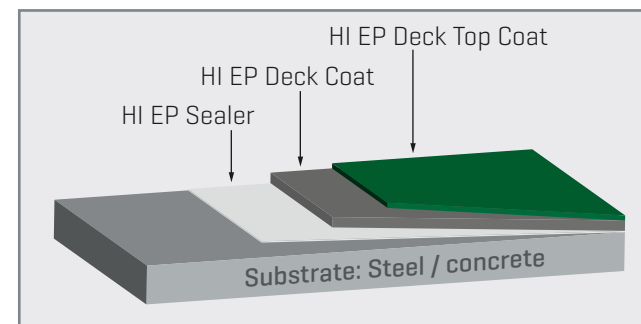
HI EP Deck Coat is designed for use outdoors and/or in areas exposed to heavy loads on offshore installations and marine vessels. The system is highly cost-efficient in terms of the cost of materials, service life and laying time.

The system is approved to the NORSOK standard.

System design

Solvent-free epoxy system

Substrate	Steel or concrete
Primer	HI EP Sealer
Mid coat	HI EP Deck Coat
Top coat	HI EP Deck Top Coat



Additives

- Quartz sand** Quartz sand can be added for height, extra wear resistance and improved anti-skid properties.
- Aluminium oxide** Added to increase skid resistance and resistance to loads and/or impacts.