



HUTCHINSON®



We make it *possible*



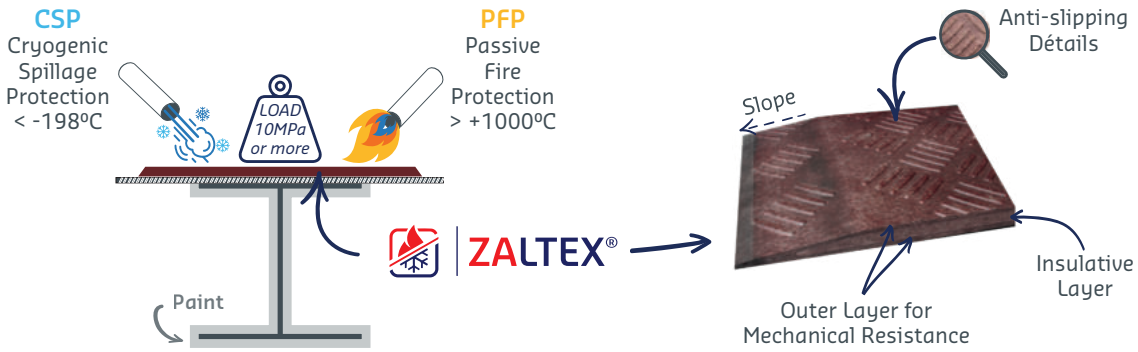
ZALTEX®

Cryogenic & Fire Protection



## ▶ ZALTEX, A CSP & PFP PANEL SOLUTION

Zaltex composite panels offer a new solution for Cryogenic Spillage Protection and an alternative to epoxy coatings when it comes to protect specific areas (steel plating, grating...) on LNG modules for instance. It also allows a quick and easy installation, inspection and maintenance under any weather conditions. We develop a specific design for each application to match customer specifications. Exceptional insulation/mechanical resistance/weight ratio.



*Design example for two hours CSP resistance with low thickness (21mm) and density (18 kg/m<sup>3</sup>)*


## ▶ TECHNICAL PROPERTIES

PROPERTIES	STANDARD	3-LAYERS	6 MONTH SEA WATER	
			Before ageing	After ageing
Density [kg/m <sup>3</sup> ]	ISO 845	500		
Thickness [mm]*	ISO 845	3+15+3		
Thermal conductivity [W/(m.K)]	ASTM C518	0.06		
Flexural modulus [MPa]	23°C / -170°C	2700 / 5000	Flexural Modulus [MPa]	2700 / 3000
Stress at break [MPa]	23°C / -170°C	29 / 30	Stress at break [MPa]	29 / 31
Temperature after 1 hr [°C]	ISO 20088-1	-20		
Temperature after 2 hr [°C]	ISO 20088-1	-45		


\* Available in different thickness (3 to 30 mm) and densities (100 to 1000 kg/m<sup>3</sup>)

## ▶ BENEFITS


2 hours  
Passive Fire  
Protection




2 hours  
Cryogenic Spillage  
Protection



Robust & Light  
Mechanical  
Properties



Easy & Quick  
Installation process  
No specific tools



Zaltex has been approved by TotalEnergies and by EPCs