

FAST COMPOSITE ROADWAY



Designed for supporting offroad mobility requirements during Joint Logistics Over The Shore -JLOTS- operations, the Fast Composite Roadway FCR is a heavy duty and Commercial-Off-The-Shelf (COTS) roll out aluminium mat system.

Rugged and durable

The FCR resists high tracked vehicle traffic - even when they are equipped with snow cross - on any ground surface, in up to 30% gradient slopes.

Low cubic space

The FCR plates are linked by innovative composite connectors which allow a reduction in weight and volume due to the possibility of rolling it into a compact roll.

Non-skid surface

The FCR consists of a series of individual non-skid Aluminium plates which provide traction under all environmental conditions.

Innovative

The FCR combines the benefits of a proven material (aluminium) and those of a new innovative plate design thus making it ideal to accommodate heavy load and regular traffic on any ground surface and particularly low bearing capabilities terrains.

Easy maintenance

The innovative and quick connectors between plates allow easy dismantling if a plate was to be changed.

Rapid deployment and recovery

Can be achieved with Deschamps' Automatic Deployment Systems either trailer-mounted or Flatrack-mounted on a 10t flatrack carrier.





Technical Characteristics

FCR Specifications	FCR I		FCR II	
DIMENSIONS				
Maximum length	50 m	164'	50 m	164'
Standart width	4.6 m	15.1'	4.6 m	15.1'
Roll diameter (int.)	300 mm	11.8'	300 mm	11.8'
Roll diameter (ext.)	1600 mm for 50 m	6.14 lbs / sqft	1600 mm for 50 m	6.14 lbs / sqft
Thickness	38 mm	5.43"	38 mm	5.43"
Weight	30 kg/m ²	6.114 lbs/sqft	36 kg/m ²	7.37 lbs/sqft
ENVIRONMENT				
Temperature of use and storage	-40°C up to +80°C -40°F up to 176°F			
Rusting and saline fog resistance	Good			
UV resistance	Very good			
Fire resistance	M2			
Hydro carbide and oil resistance	Good			
MECHANICAL				
Compression	< 2.5 Gpa	362.6 Psi	15 Gpa	2176 Psi
Snow cross resistance	No		Yes	
COMPOSITE LINK				
Material	Technical fabric			
Flexural resistance	Soft material			



Helipad



Ground Improvement Mat



Tentfloor



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