

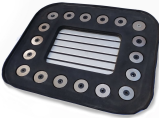





Technical Specifications

Characteristics	Fexypatch-flex 2.2	Flexypatch-Rigid 1.3	Flexypatch- comb 2.1	Flexypatch-coff 2.2
				
Comun name	Magnetic collision mat	Magnetic cover / Plug	Magnetic collision mat	Magnetic Cofferdam
Use	<ul style="list-style-type: none"> Instantaneous closing off of water ingress caused by fractures, corrosion, grounding... Instantaneous closing of sea-chest with grating supports Instantaneous closing off of larg holes or penetrations with support. Emergency collision kit Closing off oil spill (Low pressure) 	<ul style="list-style-type: none"> Repair or replacement of overboard valves, sounding transducers, plugs... afloat. Instantaneous closing off of holes or penetrations without support. Instantaneous closing off of large openings in flat surfaces Instantaneous Plugging of deck scuppers Closing off oil spill (Low pressure) 	<ul style="list-style-type: none"> Repair or replacement of overboard valves, sounding transducers, plugs... afloat. Instantaneous closing off of large or small openings or holes. Closing off of Sea chest with and without grating support Instantaneous closing off of large or small water ingress. Back up to avoid tempering during welding at under water 	<ul style="list-style-type: none"> Closing off of Sea chest with and without grating support Closing off of Sea chest with and without grating support Instantaneous closing off of large or small water ingress. Repair or replacement of overboard valves, sounding transducers, Renovación shell plate Repair or replacement of overboard valves, sounding



Technical Specifications

			shell plating <ul style="list-style-type: none"> Closing off oil spill (Low pressure) 	trasducers, plugs... afloat. <ul style="list-style-type: none"> Approved underwater shell plating renewals
Color	Black	Black	black	Aluminio-Black
Total size	1200x1000mm \varnothing^* (Basic) to 6000x1200mm For other sizes see www.flexypatch.com	520mm \varnothing^* (Basic) to 1000mm \varnothing For other sizes see www.flexypatch.com	1000x500mm \varnothing^* (Basic) to 2000x1000mm For other sizes see www.flexypatch.com	500x500mm (Basic) to 1800x1000mm For other sizes see www.flexypatch.com
Size of the working space / area	1000x800mm	326mm \varnothing	800x300mm	300x300mm
weight	10.5 kgs	5kgs	12 Kgs	28 Kgs
Internal core	3mm Reinforced rubber and CR	Aluminium AW 7075 T6 (10mm)	Double "T" aluminium profiles AW 7075 - T6 (20x25x1.5mm)	Aluminium 7075 - 76 Combined with CR and rubber 3mm+7mm
	-	Strength - Fluence limit 450 N/mm ²	Strength - Fluence limit 450 N/mm ²	Strength - Fluence limit 450 N/mm ²
Inner cels	Aluminio AW 5083 - H111	Aluminio AW 5083 - H111	Aluminio AW 5083 - H111	Aluminio AW 5083 - H111
Magnets	atracción/unidad 12kgs More on	atracción/unidad 12kgs More on demand	atracción/unidad 12kgs More on demand	atracción/unidad 12kgs More on demand



Technical Specifications

	demand			
	Material Neodymium	Material Neodymium	Material Neodymium	Material Neodymium
	Corrosion protection Rubber	Corrosion protection Rubber	Corrosion protection Rubber	Corrosion protection Rubber
Frame (Coaming)	N/A	N/A	N/A	Polytene– Black. 40x80mm section.
Filling material, gasket, shell and sealing perimetrical flap	CR 12+4+4 mm	CR 12+4+4 mm	CR 12+4+4mm	CR 12+4+4mm
	Closed cell Structure	Closed cell Structure	Closed cell Structure	Closed cell Structure
	Density 150Kgs/M3 +-20	Density 150Kgs/M3 +-20	Density 150Kgs/M3 +-20	Density 150Kgs/M3 +-20
	Deflection x Compression 35.63 Kpa 25%	Deflection x Compression 35.63 Kpa 25%	Deflection x Compression 35.63 Kpa 25%	Deflection x Compression 35.63 Kpa 25%
	Absorption of water 5%	Absorption of water 5%	Absorption of water 5%	Absorption of water 5%
	FMVSS 302	FMVSS 302	FMVSS 302	FMVSS 302
	Heat ageing 7% 7days-70°C	Heat ageing 7% 7days-70°C	Heat ageing 7% 7days-70°C	Heat ageing 7% 7days-70°C
	Elongation breakage 110%	Elongation breakage 110%	Elongation breakage 110%	Elongation breakage 110%
	500 Kn/M2	500 Kn/M2	500 Kn/M2	500 Kn/M2
	Strength to a; air+UV-Luft+UV - good Oil - good	Strength to a; air+UV-Luft+UV - good Oil - good	Strength to a; air+UV-Luft+UV - good Oil - good	Strength to a; air+UV-Luft+UV - good Oil - good



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	Acid - good Ozone - good	Acid - good Ozone - good	Acid - good Ozone - good	Acid - good Ozone - good
	ASTM D 1056 Standard	ASTM D 1056 Standard	ASTM D 1056 Standard	ASTM D 1056 Standard
	Use temp. range -40°C to +80°C	Use temp. range -40°C to +80°C	Use temp. range -40°C to +80°C	Use temp. range -40°C to +80°C
Package includes	- Rolling tube (PVC - Large units only) - Cleaning magnet - Instruction manual	- Instruction manual - Material certificate (AI) - HP. Testing certificate - manufacturer (Max. 1200x1000mm)	- - Instruction manual - Material certificate (AI) - HP. Testing certificate - manufacturer (Max. 1200x1000mm)	- Instruction manual - Material certificate (AI) - HP. Testing certificate - manufacturer (Max. 1200x1000mm)
Testing pressure (**)	3 Kgs/cm ² 30 mts fresh water	3 Kgs/cm ² 30 mts fresh water	3 Kgs/cm ² 30 mts fresh water	3 Kgs/cm ² 30 mts fresh water
Re-using	Yes	Yes	Yes	Yes
Surface adapting	Flat and curved (Up to three curve)	Flat and slightly curved	Flat and single curved (bilge strake)	Flat
Max. bending diam.	150 mm diam	-	150 mm diam	-
shape	Rectangular	Rectangular y Circular	Rectangular	Rectangular y Circular



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Maximun depth (***)	15 mts	15 mts	15 mts	15 mts
Certification	Maker + ABS/LR/DNV- GL/BV Attendance during our test at client request	Maker + ABS/LR/DNV- GL/BV Attendance during our test at client request	Maker + ABS/LR/DNV- GL/BV Attendance during our test at client request	Maker + ABS/LR/DNV- GL/BC Attendance during our test at client request
Service	Recommended examination and re-test 3 years	Recommended examination and re-test 3 years	Recommended examination and re-test 3 years	Recommended examination and re-test 3 years

(*) It means the standard model (Extrapolate to lager models)

(**) For more pressure and larger openings enquire, as we can design according to your requirements.

(***) We have fabricated models for 60 mts depth. Equipment have a security coefficient of 2, so if not damaged or aged, can be use to double before permanent deformations.

Flexypatch is a registered trade mark sold by **Klassmar Ships and Services SL** which is the manufacturing company:



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