

Pipe markings

Technical specification

Please note that technical specification can vary due to appliance and external circumstances.



Material	Polymer PVC film, white, glossy and transparent glossy
Cover material	Both sides PE-coated silicone cardboard, 148 g/sqm, 168 µm
Adhesive	Solvent polyacrylate, repositionable, with permanent adhesion, transparent
Application area	Pipe markings on seagoing vessels
Thickness	0.070 mm (average) (excl. covering paper and adhesive)
Shape retention (FINAT TM 14)	Adhered to steel, no measurable shrinkage in transverse direction, in running direction max. 0.2 mm
Temperature resistance	Adhered to aluminium, -50°C to +90°C (short term, max. 24h/+100°C), no change
Seawater resistance (DIN 50021)	Adhere to aluminium, after 100h/+23°C no change
Solvent / chemical resistance	At room temperature 72h after adherence on aluminium, short term enduring against most oils, greases, fuels, aliphatic solvents, weak acids, salts and alkalis
Fire performance (DIN 75200)	Adhered to steel, self-extinguishing
Adhesive power (FINAT TM 1, after 24h, rust-free steel)	18N/25mm (average)
Tear strength (DIN EN ISO 527)	Lengthways: min. 19 MPa Across: min. 19 MPa
Percentage elongation at break (DIN EN ISO 527)	Lengthways: min. 130% Across: min. 150%
Storage life	2 years (at 20°C and 50% humidity)
Adherence temperature	Min. +8°C

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Pipe marking according to ISO 14726

All colours acc. to ISO 14726, other colours (e.g. BS) on request. Supplementary indications as flow-direction or additional markings by text are possible on request.



PM501 - 644.090.11 (example: PM516.090.11)

Material: PVC-foil
Heat resistance: 80°C (on request 130°C)
Size: 90 mm x 33 m (length on roll)



PM500.050.11

Material: PVC-foil
Heat resistance: 80°C (on request 130°C)
Size: 50 mm x 33 m (length on roll)

Waste media (Main colour is black)

Type	Order-No.	Colour
General	PM501.090.11	BK BK BK
Black water	PM502.090.11	BK BU BK
Waste oil/ used oil	PM503.090.11	BK BN BK
Bilge water	PM504.090.11	BK GN BK
Exhaust gas	PM505.090.11	BK GY BK
	PM506.090.11	BK MN BK
	PM507.090.11	BK OG BK
	PM508.090.11	BK SR BK
	PM509.090.11	BK RD BK
	PM510.090.11	BK VT BK
Grey water	PM511.090.11	BK WH BK
Sewage, contaminated	PM512.090.11	BK YEO BK

Sea water (Main colour is green)

Type	Order-No.	Colour
General	PM537.090.11	GN GN GN
	PM538.090.11	GN BK GN
Decont. water	PM539.090.11	GN BU GN
Sea water, san.	PM540.090.11	GN BN GN
	PM541.090.11	GN GY GN
	PM542.090.11	GN MN GN
	PM543.090.11	GN OG GN
	PM544.090.11	GN SR GN
	PM545.090.11	GN RD GN
Ballast water	PM546.090.11	GN VT GN
	PM547.090.11	GN WH GN
Cooling sea water	PM548.090.11	GN YEO GN

Oil other than fuel (Main colour is orange)

Type	Order-No.	Colour
General	PM573.090.11	OG OG OG
	PM574.090.11	OG BK OG
Thermal fluid	PM575.090.11	OG BU OG
	PM576.090.11	OG BN OG
Lub. oil for gas turb.	PM577.090.11	OG GN OG
Hydraulic fluid	PM578.090.11	OG GY OG
	PM579.090.11	OG MN OG
Lub. oil (steam turb.)	PM580.090.11	OG SR OG
	PM581.090.11	OG RD OG
Lub. oil for gears	PM582.090.11	OG VT OG
	PM583.090.11	OG WH OG
Lub. oil (int. engines)	PM584.090.11	OG YEO OG

Acids, alkalis (Main colour is violet)

Type	Order-No.	Colour
General	PM609.090.11	VT VT VT
	PM610.090.11	VT BK VT
	PM611.090.11	VT BU VT
	PM612.090.11	VT BN VT
	PM613.090.11	VT GN VT
	PM614.090.11	VT GY VT
	PM615.090.11	VT MN VT
	PM616.090.11	VT OG VT
	PM617.090.11	VT SR VT
	PM618.090.11	VT RD VT
	PM619.090.11	VT WH VT
	PM620.090.11	VT YEO VT

Fresh water (Main colour is blue)

Type	Order-No.	Colour
General	PM513.090.11	BK BU BU
	PM514.090.11	BU BK BU
Fresh water, sanitary	PM515.090.11	BU BN BU
Potable water	PM516.090.11	BU GN BU
Distillate	PM517.090.11	BU GY BU
	PM518.090.11	BU MN BU
Gas turb. wash water	PM519.090.11	BU OG BU
Feed water	PM520.090.11	BU SR BU
	PM521.090.11	BU RD BU
Cooling fresh water	PM522.090.11	BU VT BU
Chilled water	PM523.090.11	BU WH BU
Condensate	PM524.090.11	BU YEO BU

Non-flammable gases (Main colour is grey)

Type	Order-No.	Colour
General	PM549.090.11	GY GY GY
	PM550.090.11	GY BK GY
Oxygen	PM551.090.11	GY BU GY
Inert gas	PM552.090.11	GY BN GY
Nitrogen	PM553.090.11	GY GN GY
Refrigerant	PM554.090.11	GY MN GY
Compressed air LP	PM555.090.11	GY OG GY
	PM556.090.11	GY SR GY
Compressed air HP	PM557.090.11	GY RD GY
Control air / reg. air	PM558.090.11	GY VT GY
Breathing air	PM559.090.11	GY WH GY
Breathing gas	PM560.090.11	GY YEO GY

Steam (Main colour is silver)

Type	Order-No.	Colour
General	PM585.090.11	SR SR SR
Steam for heat. purp.	PM586.090.11	SR BK SR
	PM587.090.11	SR BU SR
	PM588.090.11	SR BN SR
	PM589.090.11	SR GN SR
	PM590.090.11	SR GY SR
	PM591.090.11	SR MN SR
	PM592.090.11	SR OG SR
	PM593.090.11	SR RD SR
	PM594.090.11	SR VT SR
Exhaust steam	PM595.090.11	SR WH SR
Supply steam	PM596.090.11	SR YEO SR

Air in ventilation systems (Main colour is white)

Type	Order-No.	Colour
General	PM621.090.11	WH WH WH
Discharge air	PM622.090.11	WH BK WH
Mech. supply air, cold	PM623.090.11	WH BU WH
Natural exhaust air	PM624.090.11	WH BN WH
Atmospheric air	PM625.090.11	WH GN WH
Mech. exhaust air	PM626.090.11	WH GY WH
Decont. supply air	PM627.090.11	WH MN WH
Mech. recirculated air	PM628.090.11	WH OG WH
Mech. supply air, warm	PM629.090.11	WH SR WH
Smoke clearance	PM630.090.11	WH RD WH
Conditioned supply air	PM631.090.11	WH VT WH
Natural supply air	PM632.090.11	WH YEO WH

Fuel (Main colour is brown)

Type	Order-No.	Colour
General	PM525.090.11	BN BN BN
Heavy fuel (HFO)	PM526.090.11	BN BK BN
Avitation fuel	PM527.090.11	BN BU BN
	PM528.090.11	BN GN BN
	PM529.090.11	BN GY BN
	PM530.090.11	BN MN BN
	PM531.090.11	BN OG BN
	PM532.090.11	BN SR BN
	PM533.090.11	BN RD BN
Biological fuel	PM534.090.11	BN VT BN
Gas turbine fuel	PM535.090.11	BN WH BN
Diesel fuel (MDO)	PM536.090.11	BN YEO BN

Air & sound. pipes (Main colour is maroon)

Type	Order-No.	Colour
General	PM561.090.11	MN MN MN
Waste Media	PM562.090.11	MN BK MN
Fresh water	PM563.090.11	MN BU MN
Fuel	PM564.090.11	MN BN MN
Sea water	PM565.090.11	MN GN MN
Non-flam. gases	PM566.090.11	MN GY MN
Oil other than fuel	PM567.090.11	MN OG MN
Steam	PM568.090.11	MN SR MN
Fire fighting	PM569.090.11	MN RD MN
Acids, alkalis	PM570.090.11	MN VT MN
Ventilation system	PM571.090.11	MN WH MN
Flammable gases	PM572.090.11	MN YEO MN

Fire-fighting / Fire protection (Main colour is red)

Type	Order-No.	Colour
General	PM597.090.11	RD RD RD
	PM598.090.11	RD BK RD
	PM599.090.11	RD BU RD
	PM600.090.11	RD BN RD
Fire-fighting water	PM601.090.11	RD GN RD
Fire-fighting gas	PM602.090.11	RD GY RD
	PM603.090.11	RD MN RD
Sprinkler water	PM604.090.11	RD OG RD
	PM605.090.11	RD SR RD
Spray water	PM606.090.11	RD VT RD
Fire-fighting powder	PM607.090.11	RD WH RD
Fire-fighting foam	PM608.090.11	RD YEO RD

Flammable gases (Main colour is yellow)

Type	Order-No.	Colour
General	PM633.090.11	YEO YEO YEO
	PM634.090.11	YEO BK YEO
Hydrogen	PM635.090.11	YEO BU YEO
	PM636.090.11	YEO BN YEO
	PM637.090.11	YEO GN YEO
Acetylene	PM638.090.11	YEO GY YEO
	PM639.090.11	YEO MN YEO
	PM640.090.11	YEO OG YEO
	PM641.090.11	YEO SR YEO
	PM642.090.11	YEO RD YEO
Liquid gas	PM643.090.11	YEO VT YEO
	PM644.090.11	YEO WH YEO