



CONVEYOR BELTS

CLIMAFLEX® CONVEYOR BELTS

A product by Ocean Rubber Factory

ISO 9001 : 2015	Certificate 3336
ISO 14001 : 2015	Certificate 49158
OHSAS 18001 : 2007	Certificate 49157

Performing at:-
 EGA
 VALE
 SABIC
 LaFarge
 Ma'aden
 Stevin Rock
 Saudi Aramco

CLIMAFLEX® Conveyor Belting is the manifestation of 30 years of demand for a battle tested solution for products that are resilient in the harshest conditions. The competence of chemistry versus the impartial mechanical results generates products that face the test of nature's greatest challenge.

OCEAN RUBBER FACTORY is the Middle East's Leading innovator for technical rubber products. With 500 Employees across four countries and eight factories ORF serves customers with custom solutions to their unique requirements.

DURABLE COMPOUND ROBUST CONSTRUCTION PROVEN PERFORMANCE



OCEAN RUBBER FACTORY LLC N.26-30, Al Ghail Industrial Park, Ras Al Khaimah P.O. Box 6637.
 General enquiries: +971 6 5344 110 www.ORB.ae info@ORB.ae

OCEAN RUBBER FACTORY LLC

CLIMAFLEX®

CONVEYOR BELTS

MULTI-FABRIC CARCASS
TO SUIT ANY APPLICATION



EP FABRIC
WARP - POLYESTER
WEFT - NYLON 66



EE FABRIC
WARP - POLYESTER
WEFT - POLYESTER



PP FABRIC
WARP - NYLON 66
WEFT - NYLON 66



RIPSTOP FABRIC
WARP - NYLON 66
WEFT - STEEL/FABRIC

Ocean Rubber® Fibre Technology

- ◆ Polyester[Warp] & Nylon[Weft] as standard fabric
- ◆ Very low elongation & excellent impact strength
- ◆ Good troughability & high resistance to chemicals
- ◆ Steel/Fabric Breaker[Rip-Stop] for severe impact
- ◆ The Climaflex Signature Composite Technology

TOP COVER

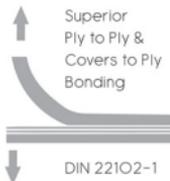
Compound designed to protect the belt from Abrasion, Cut, Tear, Impact etc.

BOTTOM COVER

Rubber designed to be Abrasion Resistant & Flexible. Provides wearing surface against pulleys & idlers.

Ocean Rubber® Compounding Technology

The fundamental technology is the compounding of the rubber formulation to optimise performance under wear & cut conditions. Ocean Rubber Factory utilises its technology from various fields such as oil & gas and the military to develop superior performance compounds.

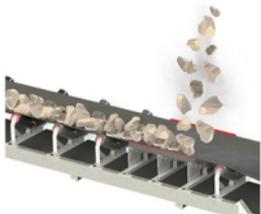


CARCASS
Skeleton of the belt



Climaflex® conveyor belt
Standard construction

Climaflex® W,X,Y Belts Resistant to Impact, Tear & Abrasion



Cover complying to:	Carcass Availability:
DIN W, X, Y	Type : EP [Std], PP & EE
ISO H, D, L	Strength : 100 to 3150 N/mm
AS A, E, F, M, N, S	No of Ply : 1 to 6
JIS S, A, L, D, H	OAG : up to 25mm
RMA GRADE 1, 2	Edge : Cut / Molded Edge

Climaflex W, X, Y Belts are multi-purpose textile belts for medium to heavy duty application. Climaflex X & Climaflex W are meant to be used in highly demanding applications like Gabro quarries where impact & wear is a greater concern. Climaflex Y is meant for non-abrasive to moderately abrasive materials conveyance.

Climaflex® Belt Selection Table

Cover Resistance	Cimaflex Brand Name	Standards		Temperatures[°C]			Technical Features and Application
		DIN	ISO	Min.	Cont.	Peck	
Abrasion	Climaflex Y	Y	L	-30	80	100	Conveyance of non abrasive to moderately abrasive materials
	Climaflex X	X	H	-40	80	90	Conveyance of heavy, sharp & abrasive materials causing severe wear
	Climaflex W	W	D	-30	80	90	Conveyance of very abrasive materials of small lump size
Heat	Thermalon I	T	-	-20	150	170	Conveyance of hot materials
	Thermalon III	T	-	-20	200	400	Conveyance of very hot materials such as coke, clinker etc
Oil & Fat	Climaflex M	G	-	-20	80	90	Conveyance of animal fats or involved materials
	Climaflex MS	G	-	-20	80	120	Conveyance of mineral Oils & grease or involved materials
Fire	Flameflex	K/S	340	-20	80	90	Conveyance of flammable materials such as Cool dust
	Flameflex FR	K/S	340	-20	80	90	Conveyance of flammable materials underground
	Climaflex FRM	K/S	340	-20	80	90	Climaflex M with Fire Resistance
	Climaflex FRMS	K/S	340	-20	80	90	Climaflex MS with Fire Resistance



Flameflex® Belts

Safety for all potentially flammable atmospheres



DINEN 12882

Climaflex Belts are qualified according to EN 12882 standard which governs the Electrical & Flammability requirement for all the belts used ABOVE GROUND.

DINEN 14973

Climaflex Belts are qualified according to EN 14973 standard which governs the Electrical & Flammability requirement for all the belts used in UNDERGROUND.



Climaflex Cleated Belts Product Range

BELT SPLICING VULCANIZATION SERVICES

VULCABOND® wing of the Ocean Rubber Factory is specialized in vulcanized splicing of conveyor belts & it has been one of the main service line of the company since 1987. Hot & cold belt splittings are available, however, ORF usually recommend hot vulcanization splicing as it is long-lasting. Apart from this, vulcabond offers belt hot / cold patch repairs & edge repairs.



CLIMAFLEX® BELT MANUFACTURING- QUALITY CONTROL & ASSURANCE

ORF is equipped with state of the art quality control system in terms of conveyor belt related manufacturing & services. ORF is the first company that has commissioned it's own conveyor belt plant manufacturing plant in GCC and therefore is capable of doing all the processes, from formulating rubber compound to the final curing of the belt, in-house. Every production step starting from rubber compound manufacturing to belt packing is monitored by the QA Department to ensure the manufacturing compliance to the international standards such as:

DIN 22102 ISO 10247 ISO 14890 DIN EN 12882 DIN EN 14973 Equivalent AS, JIS, SANS & RMA stds



ORF IS CERTIFIED FOR ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 FOR QUALITY, ENVIRONMENT, HEALTH & SAFETY MANAGEMENT SYSTEMS.

OCEAN RUBBER FACTORY LLC - UNITED ARAB EMIRATES

Tel. +971 7 202 3888 / Fax: +971 7 258 4556 P.O. Box 6637, N.26-30, Al Ghail Industrial Park, Ras Al Khaimah

GENERAL ENQUIRIES: +971 6 5344 110

WWW.ORF.AE

INFO@ORF.AE