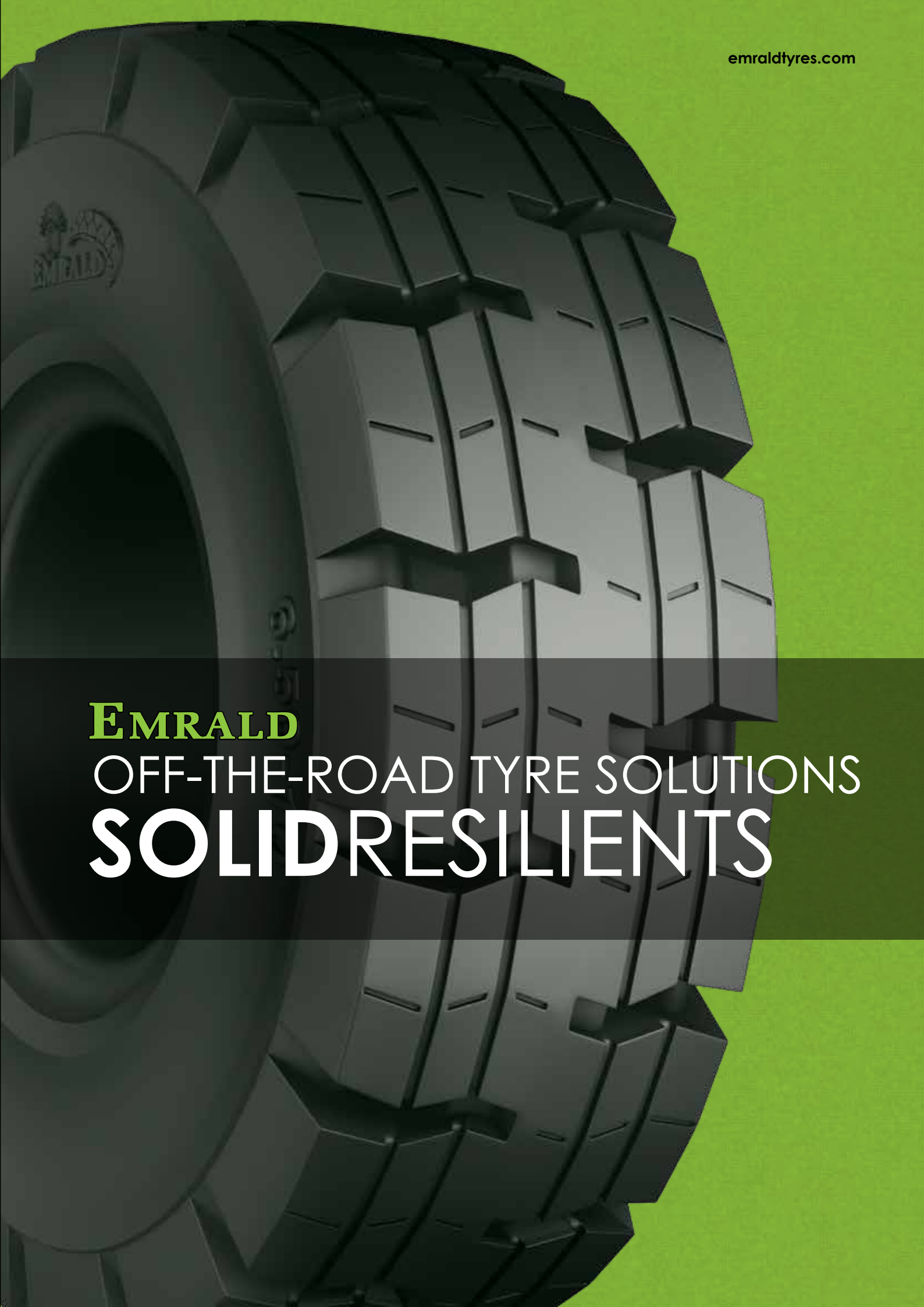
emraldtyres.com



EMRALD

OFF-THE-ROAD TYRE SOLUTIONS

SOLIDRESILIENTS

EMRALD

Emrald Resilient Tyre Manufacturers Pvt. Ltd. is the market leader in industrial tyre and wheel segment in India. Emrald offers customised solutions through it's range of products that meet the diversified requirements of material handling industry at large.

Emrald offers popular versions in solid tyre segment that meet every single application requirement of the customer. This is achieved through optimum combination of high quality raw material usage, superior compounding techniques, unique design features and indigenously researched BACUCO^{2}T technology.

FEATURES

- Unique tread design for improved traction & low rolling resistance
- Soft-Resilio layers for increased driving comfort and reduced equipment maintenance
- High durometer hard base compound for lower deflection and excellent stability
- Optimum interference fit base for secure fitment
- Available in FRRC & Bead Wire base and also in Lip / Click / Easy Fit (EF) versions
- Specialty versions include Non-Markers, Heat-Resistant, Oil-Resistant, Anti-Static, Aqua-Grip, Sub-Zero, Cut-Resistant, Anti-Abrasive, Anti-Skid tyres, etc.
- Tyres designed as per T&RA & ETRTO standards
- Resilients available in SUPERSTAR-Premium, GRECKSTER-Standard and SOLIDPLUS-Budget versions

KEY APPLICATIONS

- FORK LIFTS
- SKIDSTEER
- GROUND SUPPORT EQUIPMENT
- PORT TRAILERS
- INDUSTRIAL TRAILERSPLATFORM TRUCKS
- REACH STACKERS
- EMPTY CONTAINER HANDLERS
- ACCESS / WAREHOUSE EQUIPMENT
- OTHER MATERIAL HANDLING APPLICATIONS

VARIANTS

TYRE SELECTION CHART

KEY DETERMINING FACTORS	SOLID PLUS Economy	GRECKSTER Standard	GRECKSTER GOLD Premium	EMPOWER Super Premium
Surface condition	NORMAL	NORMAL	TOUGH	TOUGH
Speed (Heavy duty cycle)	< 25 kmph	< 25 kmph	< 25 kmph	< 25 kmph
Usage	SHORT HAUL	STANDARD	ROUND THE CLOCK	ROUND THE CLOCK
Load carrying capacity (Heavy duty cycle)	••••	••••	•••••	•••••
Life	••••	••••	•••••	•••••
Special application requirements*	•••	•••	••••	•••••

••• AVERAGE •••• GOOD ••••• EXCELLENT

*Equipment used in abnormal surface condition and working environment

SPECIALITY COMPOUNDS

No single compound can provide solutions for varying application demands of Material Handling Industry. Emrald has recognized this fact and has pioneered in providing application based customized solutions. Some of the popular versions are given here and more versions available on demand.

	VERSION	ENVIRONMENT	FOCUS INDUSTRY
	NON-MARKERS	CLEAN FLOOR, EPOXY COATED	PHARMA, FOOD & BEVERAGE
	HEAT-RESISTANT	HIGH AMBIENT TEMPERATURE	FOUNDRY, SMELTER PLANT
	OIL-RESISTANT	OILY	PETROCHEMICAL, EDIBLE OIL PLANT
	CUT-RESISTANT	SHARP-EDGED WORKPLACE HAZARD	BOTTLING, GLASS, IRON & STEEL PLANT
	ANTI-STATIC	ELECTRICALLY CONDUCTING	DEFENCE, CHEMICAL
	AQUA-GRIP	WET, SNOW, SLIPPERY	GENERAL
	ANTI-ABRASIVE	RIBBED, CONCRETE FLOOR	GENERAL
	ANTI-SKID	INCLINED SURFACE, ACCESS RAMP	GENERAL

Caution: Non-Marker should always be used with Earthing Strips to avoid static electricity build up.

BASE CONSTRUCTION

FRRC BASE

BEAD WIRE BASE

SKIDSTEER SOLID

SKS

SMOOTH

TREAD PATTERN

R RIB

W LUG

G LUG

Y LUG

SIZE	RIM SIZE	PNEUMATIC EQUIVALENT TYRE SIZE	TREAD PATTERN	
			SKS	SMOOTH
30x 9-16	6.00-16	10x16.5	•	•
30x10-16	6.00-16	10x16.5	•	•
30x10-20	7.50-20	10x16.5	•	•
31x10-20	7.50-20	10x16.5	•	•
33x12-16	6.00-16	12x16.5	•	•
33x12-20	7.50-20	12x16.5	•	•

TECHNICAL SPECIFICATION

SIZE	RIM WIDTH (inch)	LUG PROFILE				NOMINAL		LOAD CAPACITY#	
		SOLID PLUS ECONOMY	GRECKSTER STANDARD	GRECKSTER GOLD PREMIUM	EMPOWER SUPER PREMIUM	OD (inch)	SW (inch)	LOAD WHEEL	STEER WHEEL
3.50 x 4	2.50		•			10.00	3.50	260	195
4.00 x 4	2.50		•			11.80	3.60	525	410
300 x 100	2.75		•			12.00	4.05		
4.00 x 8	3.00 / 3.75		•			16.00	3.90	950	730
5.00 x 8	3.00 / 4.50	•	•	•	•	17.90	4.90	1420	1090
140 / 55 - 9	4.00		•			15.40	5.60		
6.00 x 9	4.00	•	•	•	•	20.60	5.60	1885	1390

SIZE	RIM WIDTH (inch)	LUG PROFILE				NOMINAL		LOAD CAPACITY#	
		SOLID PLUS ECONOMY	GRECKSTER STANDARD	GRECKSTER GOLD PREMIUM	EMPOWER SUPER PREMIUM	OD (inch)	SW (inch)	LOAD WHEEL	STEER WHEEL
15 x 4 ½ x 8 (125/75 - 8)	3.00 / 3.25		•	•	•	15.20	4.50	1040	800
16 x 6 - 8 (150/75 - 8)	4.33		•	•	•	16.00	6.40	1270	975
18 x 7 - 8 (180/70 - 8)	4.33		•	•	•	18.00	5.90	2145	1650
18 x 9 - 8	7.00		•			18.00	8.00	2470	1900
21 x 8 - 9 (200/75 - 9)	6.00		•	•	•	20.70	7.60	2760	2120
20 x 6 - 9	4.00		•			19.45	5.50		
20 x 8 x 9	6.00		•			19.45	7.50		
4.00 x 9.75	3.75		•			16.80	4.80		
200 / 50 - 10	6.50		•	•	•	17.80	7.40	2470	1900
23 x 9 - 10 (225/75 - 10)	6.50		•	•	•	22.50	8.30	3160	2430
6.50 x 10	5.00 / 5.50	•	•	•	•	22.70	6.30	2340	1800
7.50 x 10	5.50		•			25.70	7.10	3070	2360
560 x 165 x 11	5.00		•			21.70	6.44		
23 x 10 - 12 (250/60 - 12)	8.00		•	•	•	23.30	9.65	3770	2900
7.00 x 12	5.00	•	•	•	•	25.40	6.90	2920	2182
27 x 10 - 12 (250/75 - 12)	8.00		•	•	•	25.60	9.80	3900	3000
28 x 12.5 x 15 (345/45 - 15)	9.75		•	•	•	27.10	12.40	5034	4082
32 x 12.1 x 15 (355/65 - 15) (350 - 15)	9.75		•	•	•	32.28	11.80	7085	5450
250 x 15 (250/70 - 15)	7.00 / 7.50		•	•	•	28.90	10.40	4362	3157
300 x 15 (315/70 - 15)	8.00		•	•	•	32.30	10.20	5735	4333
6.00 x 15	4.50		•			27.40	5.90	2455	1820
7.00 x 15	5.50 / 6.00 / 6.50	•	•	•	•	27.60	7.50	3545	2725
7.50 x 15	5.50 / 6.00 / 6.50	•	•	•	•	28.30	7.50	3900	3000
8.15 x 15 (225/75 - 15) (28 x 9 - 15)	7.00	•	•	•	•	27.10	8.40	3445	2650
8.25 x 15	5.50 / 6.50		•	•	•	30.70	7.90	4000	3000
7.50 x 16	5.50 / 6.00		•	•		30.80	7.90	3908	2831
8.00 x 16	5.50		•					3965	3050
8.25 x 16	6.00		•			30.75	8.00		
7.50 x 20	6.00		•			34.75	7.05	3840	3200
8.25 x 20	6.50 / 7.00		•			38.90	9.10	4400	3675
9.00 x 20	7.00 / 7.50 / 8.00		•			40.40	9.50	5340	4450
10.00 x 20	7.50 / 8.00		•	•	•	40.40	9.50	6000	5000
11.00 x 20	7.50 / 8.00		•			41.40	10.35	6510	5425
12.00 x 20 - 42	8.00		•			41.40	10.35	6510	5425
12.00 x 20 - 43	8.00 / 8.50		•	•	•	43.40	11.60	7500	6250
12.00 x 24	8.50 / 10.00		•			47.00	11.80	7980	6650
14.00 x 24	10.00		•			51.20	13.20	11000	9175

*TREAD PATTERN R - Rib / S - Smooth / Y - Y Lug / G-G Lug/ W - W Lug #LOAD CAPACITY in kg for Forklift Truck upto 25 kmph

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SOLID RESILIENTS • PRESS-ONS • INDUSTRIAL PNEUMATICS • BUTYL TUBES • FLAPS • INDUSTRIAL WHEEL RIMS • PU WHEELS • FITMENT PRESS

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