

Off-The-Road Tyre Solutions



EMERALD

SOLIDRESILIENTS

emraldtyres.com

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

Emerald offers four 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 **BACUCO²T** 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
- Resilients available in FRRC & bead wire base and also in Lip / Click / Easy Fit (EF) version
- Speciality version includes 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

VARIANTS



TYRE SELECTION CHART

KEY DETERMINING FACTORS	SOLID PLUS Budget	GRECKSTER Standard	SUPERSTAR Premium	CUSTOMISED Versions
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

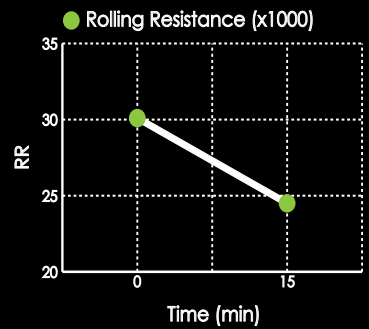
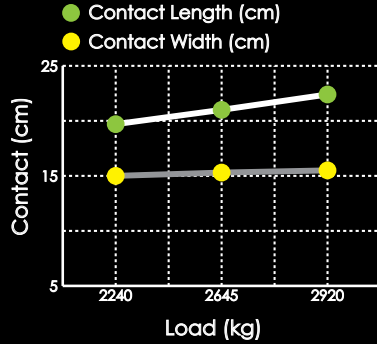
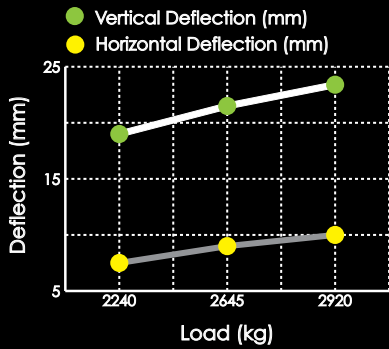
*Equipment used in abnormal surface condition and working environment

KEY PERFORMANCE PARAMETERS*

DEFLECTION
OPTIMISED for overall tyre performance

CONTACT AREA
HIGHER for improved tyre life

ROLLING RESISTANCE
LOWER for improved energy efficiency and extended battery life

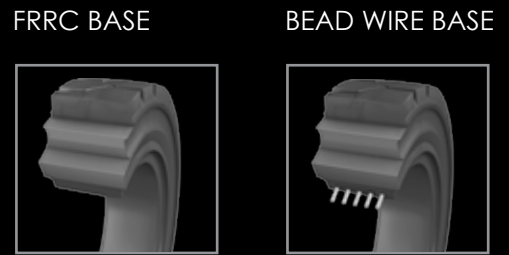


*Test results for size: 7.00 x 12/5.00 - Greckster

TREAD PATTERN



BASE CONSTRUCTION



CUSTOMISED SOLUTIONS

SPECIALITY VERSION	NON-MARKER	HEAT-RESISTANT	OIL-RESISTANT	CUT-RESISTANT
ENVIRONMENT	Clean Floor, Epoxy Coated	High Ambient Temperature	Oily	Sharp-edged workplace hazards
INDUSTRY	Pharma, Food & Beverages	Foundry, Smelter Plant	Petrochemical, Edible Oil, Heavy Engineering	Bottling, Glass, Iron & Steel Plant

CAUTION: Non-Marker should be used with Earthing Strips only to avoid static electricity build up

SPECIALITY VERSION	ANTI-STATIC	AQUA-GRIP	ANTI-ABRASIVE	ANTI-SKID
ENVIRONMENT	Electrically Conducting	Wet, Snow, Slippery	Ribbed, Concrete Floor	Inclined Surface, Access Ramp
INDUSTRY	Defence, Chemical			



Non - Marker

More speciality compounds available on request

KEY APPLICATIONS

- FORK LIFTS • GROUND SUPPORT EQUIPMENT • PORT TRAILERS • INDUSTRIAL TRAILERS
- ACCESS / WAREHOUSE EQUIPMENT • PLATFORM TRUCK • REACH STACKERS
- EMPTY CONTAINER HANDLERS • OTHER MATERIAL HANDLING APPLICATIONS

TECHNICAL SPECIFICATION

SIZE	RIM WIDTH (inch)	TREAD PATTERN*	SOLIDPLUS BUDGET	GRECKSTER STANDARD	SUPERSTAR PREMIUM	NOMINAL		LOAD CAPACITY#	
						OD (inch)	SW (inch)	LOAD WHEEL	STEER WHEEL
3.50 x 4	2.50	R		●		10.00	3.50	260	195
4.00 x 4	2.50	R		●		11.80	3.60	525	410
4.00 x 8	3.00 / 3.75	Y/M/R		●	●	16.00	3.90	950	730
5.00 x 8	3.00 / 4.50	Y/J	●	●	●	17.90	4.90	1420	1090
6.00 x 9	4.00	Y/J	●	●	●	20.60	5.60	1885	1390
15 x 41/2 x 8 (125/75-8)	3.00 / 3.25	Y/J/R		●	●	15.20	4.50	1040	800
16 x 6 - 8 (150/75-8)	4.33	Y/J		●	●	16.00	6.40	1270	975
18 x 7 - 8 (180/70-8)	4.33	Y/J/S		●	●	18.00	5.90	2145	1650
18 x 9 - 8	7.00	Y/S		●	●	18.00	8.00	2470	1900
21 x 8 - 9 (200/75-9)	6.00	Y/J		●	●	20.70	7.60	2760	2120
20 x 6 - 9	4.00	S		●	●	19.45	5.50	-	-
4.00 x 9.75	3.75	R		●	●	16.80	4.80	-	-
200 / 50 - 10	6.50	Y		●	●	17.80	7.40	2470	1900
23 x 9 - 10 (225/75-10)	6.50	Y		●	●	22.50	8.30	3160	2430
6.50 x 10	5.00 / 5.50	Y/J	●	●	●	22.70	6.30	2340	1800
7.50 x 10	5.50	Y		●	●	25.70	7.10	3070	2360
560 x 165 x 11	5.00	Y		●	●	21.70	6.44	-	-
23 x 10 - 12 (250/60-12)	8.00	Y		●	●	23.30	9.65	3770	2900
7.00 x 12	5.00	Y/J	●	●	●	25.40	6.90	2920	2182
27 x 10 - 12 (250/75-12)	8.00	Y		●	●	25.60	9.80	3900	3000
28 x 12.5 x 15 (345/45-15)	9.75	Y		●	●	27.10	12.40	5034	4082
32 x 12.1 x 15 (355/65-15) (350-15)	9.75	Y		●	●	32.28	11.77	7085	5450
250 x 15 (250/70-15)	7.00 / 7.50	Y/J		●	●	28.90	10.40	4362	3157
300 x 15 (315/70-15)	8.00	Y		●	●	32.30	10.20	5735	4333
7.00 x 15	5.50 / 6.00 / 6.50	Y/J	●	●	●	27.60	7.50	3545	2725
7.50 x 15	5.50 / 6.00 / 6.50	Y/J	●	●	●	28.30	7.50	3900	3000
8.15 x 15 (225/75-15) (28x9-15)	7.00	Y/J	●	●	●	27.10	8.40	3445	2650
8.25 x 15	5.50 / 6.00	Y		●	●	30.70	7.90	4000	3000
7.50 x 16	5.50 / 6.00	Y		●	●	30.80	7.90	3908	2831
8.00 x 16	5.50	Y		●	●			3965	3050
8.25 x 16	5.50	Y		●	●	30.75	8.00	-	-
7.50 x 20	6.00	Y		●	●	34.75	7.05	3840	3200
8.25 x 20	6.50 / 7.00	Y		●	●	44.80	9.10	4400	3675
9.00 x 20	6.50 / 7.00 / 7.50 / 8.00	Y		●	●	40.40	9.50	5340	4450
10.00 x 20	7.50 / 8.00	Y/S		●	●	40.40	9.50	6000	5000
11.00 x 20	7.50 / 8.00	Y/S		●	●	40.40	9.50	6510	5425
12.00 x 20	8.00 / 8.50	Y		●	●	43.40	11.60	7500	6250
12.00 x 24	8.50 / 10.00	Y		●	●	47.00	11.80	7980	6650
14.00 x 24	10.00	Y		●	●	51.20	13.20	11000	9175

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



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