



Muralplast is a trading division of S. Lucas Limited, part of the S. Lucas Group.

Muralplast • 11 Invicta Business Park • London Road • Wrotham • Kent • TN15 7RJ  
T +44 (0)1732 884 022 • F +44 (0)1732 884 033

[www.muralplast.com](http://www.muralplast.com)

## MURALPLAST M-TRED DEK

Specialist Car Park Decking Systems



# Muralplast M-Tred Dek

## Car Park Decking Systems



Muralplast M-Tred Dek Car Park Decking Systems have been developed from recycled rubber tyre and polyurethane technology, specifically for use on main traffic and intermediate decking levels and have been tested and certified by the Building Research Establishment to the international Standard of **BS EN 1504-2:2004 Products and Systems for the Protection and Repair of Concrete Structures** to provide:

- Excellent Elastomeric Flexibility & Adhesion
- Seamless Fluid Application
- Hardwearing Watertight & Impervious Finish
- High Performance Crack Bridging
- Anti-Slip Multi-Layered Systems
- Abrasion & Chemical Resilience
- UV Stable & Moisture Resistant
- High Impact Resilience
- Extreme Temperature Tolerance & Stability
- Completely Fire Resistant
- Sustainable & Carbon Footprint Friendly

Manufactured using recycled rubber within a polyurethane matrix, **M-Tred Dek Car Park Decking Systems** offer the ideal protection against driving rain and harmful fluids left by vehicles on upper deck levels. Irritating tyre noise is significantly reduced and resistance to oils, petrochemicals, anti-freeze and road salts, ensures that the life expectancy of the car park is increased whilst providing a cost effective and attractive solution.



Muralplast M-Tred Dek BS EN 1504-2:2004 Products and Systems for the Protection of Concrete Structures - Test Results:

BS Standard	Result
BS EN 1542:1999	Measurement of Bond Strength - pull off mean adhesive strength 2.3 MPa
BS EN 1062-7:2004	Crack Bridging - Method B, Class 4.2 at -10°C, no damage to membrane
BS EN 1062-7:2004	Crack Bridging - Method B, Class 4.2 at +40°C, no damage to membrane
BS EN ISO 5470-1:1999	Abrasion Resistance - Taber Abrader 1423(mg) loss, pass 300(mg) loss
BS EN 13036-4:2003	Slip/Skid Resistance - mean pendulum test value WET 64
BS EN ISO 2812-1:1995	Resistance to Liquids - after 30 days in contact, no effect
BS EN 1062-11	UV & Moisture Exposure - no blistering, cracking or flaking
BS EN ISO 11925-2:2002	Reaction to Fire - none of the specimens tested ignited
BS EN 1062-6:2002 Method A	Carbon Dioxide - SD value >50m @ 54.8m
BS EN ISO 12572:2001	Water Vapour Transmission Rate - SD value >50m @ 87.68m, not permeable to water
BS EN 1062-3:2008	Liquid Transmission Rate - <0.1kg/m²h <sup>0.5</sup> @ 0.0013kg/m²h <sup>0.5</sup>
BS EN 13578:2003	Water from Behind Compatibility on Wet Concrete - no blistering, cracking or flaking
BS EN 13687-5:2002	Resistance to Thermal Shock - no evidence of cracking, bubbling, spalling or de-bonding
BS EN ISO 6272-1:2004	Falling Weight/Impact - No cracking or de-lamination, Class III (is greater than or equal to 20Nm)
BS EN 1081:1998: Method A	Electrical Resistance - average vertical resistance (ohm) 0.28 x 10 <sup>12</sup>



# Muralplast M-Tred Dek

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## M-Tred Dek-ED Car Park Decking



Many thousands of square metres of M-Tred Dek Car Park Decking Systems have been manufactured over the last 30 years for installation by specialist contractors. Applications include:

- Multi-storey Car Parks
- Intermediate Decking
- Underground Car Parks
- New & Existing Structures
- Colour Coded Bays
- Exposed Decks
- Bridges
- Concrete Roof Levels
- Parking Bays
- Pedestrian Walkways
- Ramps
- Turning Circles
- Breaking Zones
- Driving Zones
- Treads
- Heavy Wear Areas
- Balconies
- Roofing and Roof Decks
- Viaducts



## M-Tred Dek - ED Car Park Decking System

M-Tred Dek - ED is a heavy duty, multi-layered, rubberised polyurethane resin car park decking system for multi-storey car parks. Using recycled vehicle tyres within a high performance polyurethane matrix, it offers a sustainable option whilst creating a safe and welcoming environment for both driver and pedestrian.

M-Tred Dek - ED Guide Specification	Coverage kg/m <sup>2</sup>
<b>M-Tred Dek Primer</b> Solvent-free low viscosity primer and damp proof membrane for coating cementitious surfaces which possess high levels of residual moisture	0.2 kg/m <sup>2</sup> @ 0.15 mm
<b>M-Tred Dek Membrane</b> Solvent-free, seamless, elastomeric rubber compound membrane with excellent adhesion properties offering seamless leak protection to multi-storey car parks and roof decks	1.0 kg/m <sup>2</sup> @ 1.0 mm (1st coat) 1.5 kg/m <sup>2</sup> @ 1.5 mm (2nd coat)
0.4 - 0.7 mm quartz aggregate	3 - 4 kg/m <sup>2</sup> @ 1.0 mm approx
<b>M-Tred Dek UVR</b> UV stable, solvent-free, high build polyurethane floor seal resistant to abrasion, chemical attack and physical aggression when used as part of M-Tred Dek Car Park Decking Systems	0.75 kg/m <sup>2</sup> @ 0.25 mm
<b>Total resin thickness 3.2 mm nominal / total system thickness 4.2 mm nominal</b>	

All coverage rates are dependant on the surface texture and porosity. M-Tred Dek Car Park Decking Systems can easily be applied to suitably prepared surfaces including existing resin systems, concrete, asphalt, metal and timber. M-Tred Dek UVR coverage rates may also vary dependant on the porosity of the grade of quartz aggregate used and it may be necessary to apply more than one coat.



# M-Tred Dek-IDHT

## Intermediate

### M-Tred Dek - IDHT

#### Intermediate Car Park Decking System

M-Tred Dek - IDHT is a multi-layered, rubberised, polyurethane car park decking system for intermediate decks, bridges and concrete roof decks. Using worn tyre waste as in integral part of the polyurethane matrix, the decking system reduces the carbon footprint of production and installation. Providing flexibility and waterproofing to the above ground levels, it offers a dry and protective solution to covered levels.

M-Tred Dek - IDHT Guide Specification	Coverage kg/m <sup>2</sup>
<b>M-Tred Dek Primer</b> Solvent-free, low viscosity primer and damp proof membrane for coating cementitious surfaces which possess high levels of residual moisture	0.2 kg/m <sup>2</sup> @ 0.15 mm
<b>M-Tred Dek Membrane</b> Solvent-free, seamless, elastomeric rubber compound membrane with excellent adhesion properties offering seamless leak protection to multi-storey car parks and roof decks	0.7 kg/m <sup>2</sup> @ 0.7 mm (1st coat) 1.0 kg/m <sup>2</sup> @ 1.0 mm (2nd coat)
0.4 - 0.7 mm quartz aggregate	3 - 4 kg/m <sup>2</sup> @ 1.0 mm approx
<b>M-Tred Dek UVR</b> UV stable, solvent-free, high build polyurethane floor seal resistant to abrasion, chemical attack and physical aggression when used as part of M-Tred Dek Car Park Decking Systems	0.7 kg/m <sup>2</sup> @ 0.55 mm
<b>Total thickness 2.4 mm nominal / total thickness 3.4 mm nominal</b>	

All coverage rates are dependant on the surface texture and porosity. M-Tred Dek Car Park Decking Systems can easily be applied to suitably prepared surfaces including existing resin systems, concrete, asphalt, metal and timber. M-Tred Dek UVR coverage rates may also vary dependant on the porosity of the grade of quartz aggregate used and it may be necessary to apply more than one coat.

# M-Tred Dek-EDHT

## Heavy Duty



### M-Tred Dek - EDHT

#### Heavy Duty Decking System

M-Tred Dek - EDHT is a multi-layered, rubberised, polyurethane car park decking system for ramps, turning areas and pedestrian walkways and on heavy wear and exposed areas where a defined profile is required. Encapsulating waste tyre material within the polyurethane system ensures an environmentally responsible approach to driving and car parking.

M-Tred Dek - EDHT Guide Specification	Coverage kg/m <sup>2</sup>
<b>M-Tred Dek Primer</b> Solvent-free low viscosity primer and damp proof membrane for coating cementitious surfaces which possess high levels of residual moisture	0.2 kg/m <sup>2</sup> @ 0.15 mm
<b>M-Tred Dek Membrane</b> Solvent-free, seamless, elastomeric rubber compound membrane with excellent adhesion properties offering seamless leak protection to multi-storey car parks and roof decks	1.5 kg/m <sup>2</sup> @ 1.5 mm (1st coat) 1.5 kg/m <sup>2</sup> @ 1.5 mm (2nd coat)
0.4 - 0.7 mm quartz aggregate	3 - 4 kg/m <sup>2</sup> @ 1.0 mm approx
<b>M-Tred Dek UVR</b> UV stable, solvent-free, high build polyurethane floor seal resistant to abrasion, chemical attack and physical aggression when used as part of M-Tred Dek Car Park Decking Systems	0.7 kg/m <sup>2</sup> @ 0.55 mm
<b>Total resin thickness 3.7 mm nominal / total system thickness 4.7 mm nominal</b>	

All coverage rates are dependant on the surface texture and porosity. M-Tred Dek Car Park Decking Systems can easily be applied to suitably prepared surfaces including existing resin systems, concrete, asphalt, metal and timber. M-Tred Dek UVR coverage rates may also vary dependant on the porosity of the grade of quartz aggregate used and it may be necessary to apply more than one coat.

# M-Tred Dek-ID

## Inter-deck Medium

# M-Tred Dek-IDLT

## Inter-deck



### M-Tred Dek - ID

#### Inter-deck Car Park Decking System

M-Tred Dek - ID is a medium-duty, multi-layered, rubberised, polyurethane inter-deck parking system. Combining recycled rubber and seamless resin flooring to provide a cost-conscious alternative, it is suitable for walkways, parking bays, bridges and on top of existing systems for re-design purposes.

M-Tred Dek - ID Guide Specification	Coverage kg/m <sup>2</sup>
<b>M-Tred Dek Primer</b> Solvent-free, low viscosity primer and damp proof membrane for coating cementitious surfaces which possess high levels of residual moisture	0.2 kg/m <sup>2</sup> @ 0.15 mm
<b>M-Tred Dek Membrane</b> Solvent-free, seamless, elastomeric rubber compound membrane with excellent adhesion properties offering seamless leak protection to multi-storey car parks and roof decks	1.0 kg/m <sup>2</sup> @ 1.0 mm
0.4 - 0.7 mm quartz aggregate	3 - 4 kg/m <sup>2</sup> @ 1.0 mm approx
<b>M-Tred Dek UVR</b> UV stable, solvent-free, high build polyurethane floor seal resistant to abrasion, chemical attack and physical aggression when used as part of M-Tred Dek Car Park Decking Systems	0.7 kg/m <sup>2</sup> @ 0.55 mm
<b>Total thickness 1.7 mm nominal / total thickness 2.7 mm nominal</b>	

All coverage rates are dependant on the surface texture and porosity. M-Tred Dek Car Park Decking Systems can easily be applied to suitably prepared surfaces including existing resin systems, concrete, asphalt, metal and timber. M-Tred Dek UVR coverage rates may also vary dependant on the porosity of the grade of quartz aggregate used and it may be necessary to apply more than one coat.

### M-Tred Dek - IDLT

#### Inter-deck Coating System

M-Tred Dek - IDLT is a multi-layered, elastomeric, polyurethane inter-deck parking system. Offering a cost-effective solution for medium duty use, it utilises flexible high build coating technology whilst maintaining UV stability.

M-Tred Dek - IDLT Guide Specification	Coverage kg/m <sup>2</sup>
<b>M-Tred Dek Primer</b> Solvent-free low viscosity primer and damp proof membrane for coating cementitious surfaces which possess high levels of residual moisture	0.2 kg/m <sup>2</sup> @ 0.15 mm
<b>M-Tred Dek HB</b> Solvent-free, seamless, flexible, elastomeric, high build coating with excellent adhesion properties	0.5 kg/m <sup>2</sup> @ 0.5 mm
0.4 - 0.7 mm quartz aggregate	3 - 4 kg/m <sup>2</sup> @ 1.0 mm approx
<b>M-Tred Dek UVR</b> UV stable, solvent-free, high build polyurethane floor seal resistant to abrasion, chemical attack and physical aggression when used as part of M-Tred Dek Car Park Decking Systems	0.7 kg/m <sup>2</sup> @ 0.55 mm
<b>Total thickness 1.2 mm nominal / total thickness 2.2 mm nominal</b>	

All coverage rates are dependant on the surface texture and porosity. M-Tred Dek Car Park Decking Systems can easily be applied to suitably prepared surfaces including existing resin systems, concrete, asphalt, metal and timber. M-Tred Dek UVR coverage rates may also vary dependant on the porosity of the grade of quartz aggregate used and it may be necessary to apply more than one coat.

# Muralplast M-Tred Dek

## Colour Chart



Orange



Violet



Traffic Red



Traffic Blue



Traffic Yellow



Light Green



Light Grey



Red



Mid Grey



Charcoal



Blue



Green

Products types comply with BS 8204 and the standards set by FeRFA (The Resin Flooring Association). Products are grouped into 8 application categories according to the properties and durability of the flooring finish. To ensure optimum performance, products should be selected from the appropriate application category.

In order to comply with the exacting demands of international markets, all products and systems in the M-Tred Dek range conform to BS EN 13813:2002 (3) meeting the Directive of European Standards for in-situ flooring products including screeding material and floor screed.

The technical and specification data is provided as a guide and additional specification and materials safety data is available on request. We work closely with the contractor to help ensure complete satisfaction at every stage of a project.



Some colours in some systems can be affected by UV light over time. Non-standard colours are available on request. The colours shown may differ from the original product due to reprographic and technological media variations. The same colour in different products may also vary due to the composition and texture of final finish. If colour and final aesthetics are of concern, please contact us to request actual samples of the colour and system required.