

MARSHALL TUFFLEX

SPECIFICATION TEXT

UK OWNED
UK MANUFACTURER



Specification Text

Overview

This specification text provides extracts for use by Specifiers and Consultants in project submittals involving Marshall-Tufflex products.

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PVC-U Perimeter Trunking

Odyssey & Sterling Curve

A three compartment Dado and Skirting system manufactured from a minimum 50% recycled self-extinguishing and non-flame propagating PVC-U. All Dado & Skirting components (Base units, Covers, Corners, Angles & Tee's) are to be compliant up to Cat 7a. Fire clips are to be available to secure cables within the trunking when installed in areas of the building, to prevent premature collapse and entanglement in the event of fire, in accordance with BS 7671.

Sterling Compact

A 'compact' three compartment Dado system manufactured from a minimum 50% recycled self-extinguishing and non-flame propagating PVC-U. All Dado & Skirting components (Base units, Covers, Corners, Angles & Tee's) are to be compliant up to Cat 7a. Fire clips are to be available to secure cables within the trunking when installed in areas of the building, to prevent premature collapse and entanglement in the event of fire, in accordance with BS 7671.

Odyssey & Sterling Curve BIO

A three compartment Dado system that provides Anti-Microbial protection tested to ISO 22196:2011. Products are to comply to the European Biocidal Products Directive (BPD) and be manufactured from a self-extinguishing and non-flame propagating PVC-U. All products to incorporate a blue fluorescent that will reflect blue under a UV light. All Dado & Skirting components (Base units, Covers, Corners, Angles & Tee's) are to be compliant up to Cat 7a. Fire clips are to be available to secure cables within the trunking when installed in areas of the building, to prevent premature collapse and entanglement in the event of fire, in accordance with BS 7671.

Mono 10

A single compartment, compact trunking manufactured from a minimum 50% recycled self-extinguishing and non-flame propagating PVC-U. All components (Base units, Covers, Corners, Angles & Tee's) are to be compliant up to Cat 7a. Fire clips are to be available to secure cables within the trunking when installed in areas of the building, to prevent premature collapse and entanglement in the event of fire, in accordance with BS 7671.

Twin Plus

A twin compartment Dado and Skirting system manufactured from a minimum 50% recycled self-extinguishing and non-flame propagating PVC-U. All components (Base units, Covers, Corners, Angles & Tee's) are to be compliant up to Cat 7a. Fire clips are to be available to secure cables within the trunking when installed in areas of the building, to prevent premature collapse and entanglement in the event of fire, in accordance with BS 7671.

Sovereign Plus

A three compartment Dado system manufactured from a minimum 50% recycled self-extinguishing and non-flame propagating PVC-U. All components (Base units, Covers, Corners, Angles & Tee's) are to be compliant up to Cat 7a. Fire clips are to be available to secure cables within the trunking when installed in areas of the building, to prevent premature collapse and entanglement in the event of fire, in accordance with BS 7671.

PVC-U Trunking

Mini Trunking

A mini trunking system manufactured from a minimum 80% recycled self-extinguishing and non-flame propagating PVC-U. Available in sizes from 10 x 8mm to 38 x 38mm. Fire clips are to be available to secure cables within the trunking when installed in areas of the building, to prevent premature collapse and entanglement in the event of fire, in accordance with BS 7671.

Maxi Trunking

A mini trunking system manufactured from a minimum 80% recycled self-extinguishing and non-flame propagating PVC-U. Available in sizes from 50 x 50mm to 150 x 150mm. Fire clips are to be available to secure cables within the trunking when installed in areas of the building, to prevent premature collapse and entanglement in the event of fire, in accordance with BS 7671.

Bench Trunking

A bench trunking system manufactured from a minimum 50% recycled self-extinguishing and non-flame propagating PVC-U. To provide easy access power to desk, bench, laboratory, and workshop environments. All components (Base units, Covers, Corners, Angles & Tee's) are to be compliant up to Cat 7a.

Cornice Trunking

A ceiling cornice trunking system (50 x 50mm) manufactured from a minimum 80% recycled self-extinguishing and non-flame propagating PVC-U. To provide provision for unobtrusive concealment of surface wiring around ceiling.

Conduit Systems

PVC-U Channel

A channel trunking system manufactured from a minimum 80% recycled self-extinguishing and non-flame propagating PVC-U. To provide protection to channelled electrical wiring routes. Available in sizes 38 x 9mm, 25 x 8mm and 12 x 8mm.

Round Conduit

A round conduit system manufactured from a minimum 80% recycled self-extinguishing and non-flame propagating PVC-U. Available in 20mm, 25 and 32mm diameters, Light or Heavy gauge as applicable. All products to comply with BS 4607, BS EN 61386-1:2008+A1 :2019, BS EN 61386-21:2021+A11:2021 and BS EN 61386-25:2011 where applicable. Metal saddles are to be available to secure cables within the conduit when installed in areas of the building, to prevent premature collapse and entanglement in the event of fire, in accordance with BS 7671.

Oval Conduit

An oval conduit system manufactured from a minimum 80% recycled self-extinguishing and non-flame propagating PVC-U. To be used to protect cables when buried in voids or chased into walls. Available in sizes from 13 x 8mm to 32 x 11mm.

MT Supertube

A three-layer heavy gauge LSOH conduit system consisting of polyethylene internal and external layers over a continuous aluminium tube. Available in 20 and 25mm diameter sizes. Product to have an electrical breakdown resistance of 20kV and comply to EN 61386-21 and IEC 60227-1:2003-04 standards.

Underfloor to Desk

STD Powertrack

A 63A underfloor standard Powertrack system with integral couplers, end-caps and floor mounting brackets. Push fit connections between tracks to ensure rapid installation of the underfloor powertrack system with socket spacing pitch of 300mm for Tap-off interconnections. All outlets to be fitted with dust covers to prevent ingress and contamination when not in use. All powertracks are to be fitted with key and colour coded interconnections for Tap-offs to prevent incorrect connections. All powertrack to be designed and manufactured to comply to BS 7671, BS EN 61534-1: 2011 and BS EN 61534-22:2009.

Clean Earth (Low Noise) Powertrack

A 63A underfloor Clean Earth (Low Noise) Powertrack system with integral couplers, end-caps and floor mounting brackets. Push fit connections between tracks to ensure rapid installation of the underfloor powertrack system with socket spacing pitch of 300mm for Tap-off interconnections. All outlets to be fitted with dust covers to prevent ingress and contamination when not in use. All powertracks are to be fitted with key and colour coded interconnections for Tap-offs to prevent incorrect connections. All powertrack to be designed and manufactured to comply to BS 7671, BS EN 61534-1: 2011 and BS EN 61534-22:2009.

Raised Floor Boxes

3 or 4 Compartment floorboxes to provide ease of access to power and data. All boxes are to have pre-punched fixings and for rapid installation and feature a 6mm reversible and self-closing lid. Options for lockable lids are to be available for use in areas where access is to be controlled (e.g. public walkways). Internal accessory plates to be available in Twin 13A Sockets (Standard, Clean Earth and RCD variants), RJ45 Data & Voice, Euro, Accessory and Blanking plates as required. All boxes to be designed and manufactured to comply to BS 7671, BS EN 61534-22:2009, BS EN 60670-11:2005, BS EN 60670-23:2008, BS EN 50085-1:2005 and BS EN 50085-2-2:2008

Power and Data Modules

Power and Data modules to be mounted under the desk to provide easy and clean access to power and data from installed powertrack and floorbox system. Provision for interlinks to be available to enable multiple desks to be powered from one floorbox outlet. Options for RCBO protection, RJ45 Data and USB power to be available to meet client configuration requirements. All units to comply with BS 1363-1, BS 1363-2 (where applicable), BS 5733:2010+A1:2014, EN 50581:2012, EN 301 489-34(2012), IEC 60884-1:2005 and BS 7671 Wiring Regulations.

Desktop Modules

Desktop modules to be mounted to provide easy access to Power and Data above the desk. Sockets to be angled at 45 degrees to accept large plug tops and transformers and individually fused to 5A. Provision to be made for USB type A & C sockets for fast charging and data sockets for network connections. Products to be fixed to the desk by means of supplied G-clamps.

In-Screed Flooring Systems

An In-Screed power and distribution system consisting of Floorboxes, Junction Boxes and Metal & PVC-U Ducting. System to be compatible with Screed depths of 65-85mm. Floorboxes are to feature adjustable trim height adjustment and have a 6mm lid depth to accommodate floor tile/carpet cut-outs.

GRP Ladder and Tray Systems

GRP Ladder and Tray System

A Glass Reinforced polyester (GRP) ladder and tray system to provide strong and lightweight cable management in aggressive environments (Offshore Sea, Rail, Road, and Petrochemical applications). The system is to incorporate GRP Pressed Trays, Pultruded Ladder, Support Systems, Ground Ducts and Cable Troughing for full system installation. (Available in Class 1 & Class 2)

All products to comply to the following approvals:

Mechanical Behaviour:

Breaking point to NEMA FG1

Tensile strength at break point to ISO 527-5

Modulus of elasticity to ISO 527-5

Accelerated aging to ISO 4892-2 & ISO 9227

IEC 61537

Electrical behaviour:

Surface resistivity to IEC 6079-0

Breakage voltage to IEC 60243-1

Comparative tracking index IEC 60112

IEC 60093

Fire resistance to DIN 4102 part 12

Linear Thermal Expansion to DIN 53752

Water Absorption to ISO 62

Power Poles and Posts

PowerPoles

A square PowerPole to provide access to power and data to island workstations. Pole to be constructed of aluminium and be 3.6m in length with ceiling fixing bracket. Provision for a maximum extension up to 5m in length is to be provided as required. Product to have cabling access at both the floor and ceiling for easy installation and feature a minimum of 6 accessory plates for external power accessories.

PowerPosts

A square PowerPost to provide access to power and data to island workstations. Post to be constructed of aluminium and be 692mm in height to fit below standard desk heights. Product to be supplied with a minimum of 6 accessory plates for external power accessories.

Wire Basket Systems

Wire Basket System

A Wire Basket System for the management and routing of power and data cables. Wire Basket system to incorporate a Fast-Coupling connection system to facilitate quick and easy install and provide earth continuity across wire basket joints. Wire baskets are to be available in 65mm and 105mm heights with widths from 60mm to 600mm wide. All Wire Baskets are to feature an Electro-Zinc finish to BS EN ISO 2081 to provide corrosion resistance and a rippled wire design to enhance product strength and resist flexing. All products to comply to EN 61537 (Cable management, Cable tray systems and cable ladder systems) and be fire resistant to E90 DIN 4101 section 12.

PVC Cable Tray

PVC Cable Tray

A PVC Cable Tray System for the management and routing of power and data cables. PVC Tray is to be non-conductive, non-corrosive and non-oxidising and available in widths from 100 to 400mm wide. Tray colour is to be white (RAL7035) and resistant to UV radiation according to UL568. All PVC Tray products are to be 100% recyclable. All products to comply to EN 61537 (Cable management, Cable tray systems and cable ladder systems) and EN 50085 (Cable trunking systems and cable ducting systems for electrical installations). Fire, glow and flammability conformance to EN 60695, UNE 23727, UL94-V0 and ANSI/UL94-1995.

Metal Cable Tray

Metal Cable Tray

A Metal Cable Tray system for the management and routing of power and data cables. Metal tray is to have a pre-Galvanised finish and feature a fast-coupling interconnecting feature to speed up installation and eliminate the need for additional couplers. All products are to comply to EN 61537 (Cable management, Cable tray systems and cable ladder systems) and EN50085 (Cable trunking systems and cable ducting systems for electrical installations)

Aluminium Trunking

Bench Aluminium Trunking

A LS0H (low smoke zero halogen) Aluminium bench trunking system measuring 105 x 105mm. To provide easy access power to desk, bench, laboratory, and workshop environments. All components (Base units, Covers, Corners, Angles & Tee's) are to be compliant up to Cat 7a. All Aluminium trunking systems are to have high mechanical strength and impact-resistance and are to comply to BS EN 50085-1, BS EN 50085-2, IEC 61084-1, IEC 61084-2 and BS 5733. Trunking system is to be 100% recyclable.

Elegance 110 Aluminium

A rectangular LS0H (low smoke zero halogen) Aluminium trunking system that measures 110 x 55mm. All Aluminium trunking systems are to have high mechanical strength and impact-resistance to prevent damage during installation and use. All components (Base units, Covers, Corners, Angles & Tee's) are to be compliant up to Cat 7a. All Aluminium trunking systems are to have high mechanical strength and impact-resistance and are to comply to BS EN 50085-1, BS EN 50085-2, IEC 61084-1, IEC 61084-2 and BS 5733. Trunking system is to be 100% recyclable.

Sterling Curve Aluminium

A LS0H (low smoke zero halogen) three compartment Aluminium Dado and Skirting system that measures 167 x 50mm. All Aluminium trunking systems are to have high mechanical strength and impact-resistance to prevent damage during installation and use. All Dado & Skirting components (Base units, Covers, Corners, Angles & Tee's) are to be compliant up to Cat 7a. All Aluminium trunking systems are to have high mechanical strength and impact-resistance and are to comply to BS EN 50085-1, BS EN 50085-2, IEC 61084-1, IEC 61084-2 and BS 5733. Trunking system is to be 100% recyclable.

Twin Plus Aluminium

A LSOH (low smoke zero halogen) twin compartment Aluminium Dado and Skirting system that measures 210 x 57mm. All Aluminium trunking systems are to have high mechanical strength and impact-resistance to prevent damage during installation and use. All components (Base units, Covers, Corners, Angles & Tee's) are to be compliant up to Cat 7a. All Aluminium trunking systems are to have high mechanical strength and impact-resistance to prevent and are to comply to BS EN 50085-1, BS EN 50085-2, IEC 61084-1, IEC 61084-2 and BS 5733. Trunking system is to be 100% recyclable.

XL301 & XL302 Aluminium

A LSOH (low smoke zero halogen) twin compartment Aluminium Dado and Skirting system that measures 210 x 57mm. All Aluminium trunking systems are to have high mechanical strength and impact-resistance to prevent damage during installation and use. All components (Base units, Covers, Corners, Angles & Tee's) are to be compliant up to Cat 7a. All Aluminium trunking systems are to have high mechanical strength and impact-resistance and are to comply to BS EN 50085-1, BS EN 50085-2, IEC 61084-1, IEC 61084-2 and BS 5733. Trunking system is to be 100% recyclable.

Steel Trunking

System 130 Steel Trunking

A LSOH (low smoke zero halogen) Steel trunking system that measures 130 x 63mm. All components (Base units, Covers, Corners, Angles & Tee's) are to be compliant up to Cat 7a. All steel trunking systems are to have high mechanical strength and impact-resistance to prevent damage during installation and use and are to comply to BS EN 50085-1, BS EN 50085-2, IEC 61084-1, IEC 61084-2 and BS 4102-2. Trunking system is to be 100% recyclable.

System 170 Steel Trunking

A LSOH (low smoke zero halogen) Steel trunking system that measures 170 x 63mm. All components (Base units, Covers, Corners, Angles & Tee's) are to be compliant up to Cat 7a. All steel trunking systems are to have high mechanical strength and impact-resistance to prevent damage during installation and use and are to comply to BS EN 50085-1, BS EN 50085-2, IEC 61084-1, IEC 61084-2 and BS 4102-2. Trunking system is to be 100% recyclable.

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