

SURFACE COURSE
80mm THICKNESS RECLAIMED YORK STONE PAVING SLABS

FLAGS SHALL BE:

- FREE FROM THROUGH-CRACKS
- FREE FROM ACTIVE DELAMINATION/SHALING
- EDGES SOUND; CHIPS < 15mm ACCEPTABLE; MAJOR CORNER LOSSES > 40mm REJECTED
- SURFACE WEAR EVENLY WEATHERED AND SLIP-RESISTANT
- NO BOWING > 5mm ACROSS 600mm
- THICKNESS VARIATION PER INDIVIDUAL SLAB: ±10 mm MAXIMUM.
- FLAGS SHALL BE LAID WITH NO ROCKING UNDER TAMPING
- FLAGS TO BE SORTED BY THICKNESS AND LAID TO MINIMISE LEVEL DIFFERENCES AT JOINTS

JOINTING MORTAR

- CEMENTITIOUS OR RESIN-BASED JOINTING MORTAR SUITABLE FOR RIGID STONE PAVING.
- COLOUR TO BE APPROVED BY CONTRACT ADMINISTRATOR.
- JOINT WIDTH: 5-10mm.
- JOINT DEPTH: FULL-DEPTH OF THE STONE.

BOND BRIDGE / SLURRY PRIMER

- POLYMER-MODIFIED BONDING SLURRY APPLIED TO UNDERSIDE OF STONE. REFER TO MANUFACTURES INSTRUCTIONS
- APPLY SLURRY IMMEDIATELY BEFORE BEDDING MORTAR TO ENSURE CHEMICAL BOND.
- USE POLYMER-MODIFIED BONDING SLURRY COMPATIBLE WITH THE BEDDING SYSTEM.

LAYING COURSE
40mm THICKNESS MIX: 1:3 CEMENT:SAND WITH PLASTICISER OR PROPRIETARY SYSTEM

- FULL BED ONLY — SPOT BEDDING NOT PERMITTED.
- BEDDING TO BE COMPACTED TO ENSURE FULL SUPPORT, NO VOIDS.

BASE COURSE
150mm THICKNESS MIN C25/30 CONCRETE TAMPED AND FLOATED FINISHED, TO WITHIN +/-2mm OF FINISHED LEVEL. LAYER OF A193 MESH WITH 50mm TOP & SIDE COVER. SLAB FALL TO MATCH PAVING FALL REFER TO ARCHITECTS DRAWINGS

BOND BRIDGE / SLURRY PRIMER

- POLYMER-MODIFIED BONDING SLURRY APPLIED TO TOP OF CONCRETE CONCRETE BASE. REFER TO MANUFACTURES INSTRUCTIONS

MOVEMENT JOINTS

- PROVIDE MOVEMENT JOINTS:
- AT MAX 6m SPACING, BOTH WAYS
- AT ALL ABUTMENTS, WALLS, COLUMNS AND CHANGES IN GEOMETRY
- FILL JOINTS WITH FLEXIBLE COMPRESSIBLE FILLER.
- MOVEMENT JOINTS IN CONCRETE SLAB MUST ALIGN WITH JOINTS IN STONE.
- MOVEMENT JOINT IN CONCRETE SLAB MUST CONTINUE THROUGH BEDDING AND THROUGH STONE JOINTS WITH FLEXIBLE SEALANT AT SURFACE.

SUB BASE
MIN 200mm THICKNESS TYPE 1 GRANULAR MATERIAL ON TENSAR InterAX GEOGRID A-64427-L1 WITH 300-400mm OVERLAP BASED ON 1.5%-2% CBR

FORMATION

- REMOVE SOFT SPOTS
- NO STANDING WATER
- COMPACT FORMATION
- GEOTEXTILE SEPARATOR WHERE FINES MIGRATION MAY OCCUR (OPTIONAL, IF SATURATED GROUND)

RECLAIMED YORK STONE CONSTRUCTION
TRAFFIC CATEGORY 4 (LIGHT HGV AND FIRE TENDER)
ROAD AREA 5

SURFACE COURSE
60mm THICKNESS RECLAIMED YORK STONE PAVING SLABS

FLAGS SHALL BE:

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- JOINT DEPTH: FULL-DEPTH OF THE STONE.

BOND BRIDGE / SLURRY PRIMER

- POLYMER-MODIFIED BONDING SLURRY APPLIED TO UNDERSIDE OF STONE. REFER TO MANUFACTURES INSTRUCTIONS
- APPLY SLURRY IMMEDIATELY BEFORE BEDDING MORTAR TO ENSURE CHEMICAL BOND.
- USE POLYMER-MODIFIED BONDING SLURRY COMPATIBLE WITH THE BEDDING SYSTEM.

LAYING COURSE
40mm THICKNESS MIX: 1:3 CEMENT:SAND WITH PLASTICISER OR PROPRIETARY SYSTEM

- FULL BED ONLY — SPOT BEDDING NOT PERMITTED.
- BEDDING TO BE COMPACTED TO ENSURE FULL SUPPORT, NO VOIDS.
- MINIMUM 30mm THICKNESS

SUB BASE
MIN 200mm THICKNESS TYPE 1 GRANULAR MATERIAL

FORMATION

- REMOVE SOFT SPOTS
- NO STANDING WATER
- COMPACT FORMATION
- GEOTEXTILE SEPARATOR WHERE FINES MIGRATION MAY OCCUR (OPTIONAL, IF SATURATED GROUND)

RECLAIMED YORK STONE CONSTRUCTION
TRAFFIC CATEGORY 1 (PEDESTRIAN)
SOUTH PARTERRE PEDESTRIAN ONLY AREAS

SURFACE COURSE
60mm THICKNESS RECLAIMED YORK STONE PAVING SLABS

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LAYING COURSE
40mm THICKNESS MIX: 1:3 CEMENT:SAND WITH PLASTICISER OR PROPRIETARY SYSTEM

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- MINIMUM 30mm THICKNESS

SUB BASE
MIN 200mm THICKNESS TYPE 1 GRANULAR MATERIAL

FORMATION

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- GEOTEXTILE SEPARATOR WHERE FINES MIGRATION MAY OCCUR (OPTIONAL, IF SATURATED GROUND)

FORMATION - WINE CELLAR CEILING

BEFORE ANY PREPARATION:

- CONFIRM SUBSTRATE IS STRUCTURALLY SOUND.
- NO LOOSE OR ROCKING BRICKS.
- NO ACTIVE CRACKING.
- NO DIFFERENTIAL MOVEMENT.
- NO HOLLOW OR DRUMMY AREAS (IF SLAB ABOVE VAULT).

ANY DEFECTS TO BE REPAIRED BEFORE PROCEEDING.

SUBSTRATE MUST BE:

- FREE FROM DUST
- FREE FROM LOOSE MORTAR
- FREE FROM SALTS/EFLORESCENCE
- FREE FROM OIL, BITUMEN, PAINT, MOSS, ALGAE
- FREE FROM FRIABLE OR POWDERY MATERIAL

THE SURFACE MUST BE:

- HARD
- STABLE
- NOT CRUMBLING
- NOT DELAMINATING

IF MORTAR JOINTS ARE LOOSE OR ERODED:

- RAKE OUT AND REPOINT
- ALLOW TO CURE BEFORE SCREEDING

IF BRICK SURFACE IS HIGHLY UNEVEN:

- REMOVE LOCAL HIGH SPOTS
- AVOID BUILDING EXCESSIVE THICKNESS INTO SCREED

RECLAIMED YORK STONE CONSTRUCTION
TRAFFIC CATEGORY 1 (PEDESTRIAN)
SOUTH PARTERRE PEDESTRIAN ONLY AREAS
WINE CELLAR

SURFACE COURSE
50mm THICKNESS SELF BINDING BREEDON GRAVEL - GOLDEN AMBER

BASE COURSE
30mm THICKNESS GEOSYNTHETICS TTE CORE COMMERCIAL GRAVEL RETENTION GRID HEAVY DUTY SYSTEM FILLED WITH 16-22mm NO FINES ANGULAR CRUSHED ROCK

PERMEABLE GEOTEXTILE /INSTALLATION MESH

LAYING COURSE
20mm THICKNESS 2-6mm AGRICULTURAL GRIT

SUB BASE
MIN 300mm THICKNESS TYPE 1 GRANULAR MATERIAL ON TENSAR InterAX GEOGRID A-64427-L1 WITH 300-400mm OVERLAP BASED ON 1.5%-2% CBR

FORMATION

- REMOVE SOFT SPOTS
- NO STANDING WATER
- COMPACT FORMATION
- GEOTEXTILE SEPARATOR WHERE FINES MIGRATION MAY OCCUR (OPTIONAL, IF SATURATED GROUND)

BREEDON GRAVEL CONSTRUCTION
TRAFFIC CATEGORY 6 (ADOPTED HIGHWAY LOADING)
SOUTH PARTERRE ROAD AREA

DESIGN CODES TO COMPLY WITH

York stone selection
Paving design (rigid/flexible)
Bedding mortar & jointing
Concrete base
Sub-base (Type 1)
CBR-based pavement design
Earthworks / formation
Kerbs

BS EN 1341
BS 7533-101,102, 12
BS 7533-102, BS EN 998
BS EN 206, BS 8500
MCHW Series 800, DMRB 225/226
DMRB CD 225
MCHW Series 60
BS 7533-6:2005, BS EN 1343, BS 7263-1 MCHW Volume 1: Series 1100

NOTES:

1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECT AND ENGINEERING DETAILS, DRAWINGS AND SPECIFICATIONS.
2. ANY DISCREPANCIES SHOULD BE REPORTED TO THE ARCHITECT AND/OR ENGINEER IMMEDIATELY, SO THAT CLARIFICATION CAN BE SOUGHT PRIOR TO THE COMMENCEMENT OF WORK.

EXTERNAL WORKS NOTES

3. NO BLOCKS/SLABS WITH A UNIT WEIGHT IN EXCESS OF 20KG TO BE USED.
4. KERBS IN EXCESS OF 20KG TO BE MACHINE LAID

NOTES: 1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS. 2. FOR SETTING OUT REFER TO ARCHITECT'S DRAWINGS. 3. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE. 4. DO NOT SCALE FROM THE DRAWING OR THE COMPUTER DIGITAL DATA. ONLY FIGURED DIMENSIONS TO BE USED.				Project Title Tottenham House Estate Marlborough SN8 3BE Drawing Title EXTERNAL WORKS DETAILS SOUTH PARTERRE		Scale @ A1 1:20	Date 26/09/25	Drawn BLT	Checked TH	MBP Consulting Engineers 88 Kingsway London WC2B 6AA T 020 7240 1191 E london@mbp-uk.com W mbp-uk.com		
						Drawing Status S4 - SUITABLE FOR STAGE APPROVAL		Revision P03				
						Project Drawing ID 10588-MBP-XX-XX-DR-C-0603						
						Project	Originator	Volume	Level	Type	Role	Number
				P03	05/05/26	PEDSTRIAN DETAILS UPDATED	SP8					
				P02	15/01/26	BREEDON GRAVEL DETAIL ADDED	SP8					
				P01	14/01/26	ISSUED FOR PLANNING	SP8					
				Rev	Date	Description	By					

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