



# ROOF TOP SOLUTIONS

Build-up options for hard to access locations such as rooftops and podiums

Unlike typical ground-level installations, which require tarmac or MOT stone sub-bases, roof-tops require a light-weight, cold-applied material which can easily be manouvered into position.

DCM Surfaces have three solutions to building up the sub-base structure on a roof or podium:

- 1.SUDS compliant material
- 2.Eco Grid, filled with pea gravel
- 3.Metal Tray System

Each of these systems allow water to drain through the permeable rubber crumb or bound gravel wearing course and flow away through drainage layers below.

## Key Specifications

- Various options available depending on requirements
- Install at various depths to acheive required thresholds

## Credentials

**BOUND GRAVEL:**  
EN 1187 test 4 – BROOF(t4) tested as a flat roof

**WETPOUR:**  
Standard EN 13501-1 (09/2017)

## HIGH RISE / ROOFTOP INSTALLS:

Carrow Quarter Residential Developments, Norwich  
Greenwich Peninsula Development, Greenwich  
Canary Wharf Properties, London  
Cornbrook Hub, Manchester  
The White Building Car Park  
Kids Allowed Nursery, Manchester  
The Village School Nursery, Trafford Park  
Tiger Way Primary School, London

# WETPOUR PERMEABLE ROOF TOP INSTALLATIONS

## SUDS SYSTEM

INSTALLED AT VARIOUS DEPTHS TO ACHIEVE REQUIRED THRESHOLDS



### BUILD UP

1. Min 20mm Wetpour installed at various depths to meet CFH Requirements
2. Min 40mm Re-Cover SUDS surfacing, installed at various depths to achieve required thresholds
3. Geotextile membrane
4. Insulation /Void Filler Layer such as Cordex Filcor 90,
5. 40mm Bauder DSE 40 drainage matting filled with 5mm single sized clean crushed stone and 10mm Bauder hot melt waterproofing

### BENEFITS OF USING SUDS SURFACING

- Easier to achieve correct levels
- Easier to install in difficult areas as its mixed onsite
- Cold-applied, so alleviates time pressure created with hot-applied products such as tarmac

## GRID SYSTEM BEST FOR DRAINAGE



### BUILD UP

1. Min 40mm Wetpour
2. Grid with 6mm pea gravel
3. Insulation /Void Filler Layer such as Cordex Filcor 90
4. 40mm Bauder DSE 40 drainage matting filled with 5mm single sized clean crushed stone and 10mm Bauder hot melt waterproofing

## METAL TRAY SYSTEM



### BUILD UP

1. Min 40mm Wetpour
2. Fibre glass mesh
3. Metal tray system

\* Please note, DCM Surfaces cannot be held responsible for any design liabilities

# BOUND GRAVEL PERMEABLE ROOF TOP INSTALLATIONS

## SUDS SYSTEM

INSTALLED AT VARIOUS DEPTHS TO ACHIEVE REQUIRED THRESHOLDS



### BUILD UP

1. Min 20mm Bound Gravel
2. Min 40mm Re-Cover SUDS , installed at various depths to acheive required thresholds
3. Geotextile membrane
4. Insulation /Void Filler Layer such as Cordex Filcor 90,
- 5.40mm Bauder DSE 40 drainage matting filled with 5mm single sized clean crushed stone and 10mm Bauder hot melt waterproofing

### BENEFITS

- Easier to achieve correct levels
- Easier to install in difficult areas as its mixed onsite
- Cold-applied, so alleviates time pressure created with hot-applied products such as tarmac

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# ASSUMPTIONS FOR ROOF-TOP PROJECTS

It is the customer's responsibility to ensure that DCM are aware of any conditions on site which may prevent delays in transporting and delivering materials to the install area or which prevent DCM from completing a full working day (8am - 7pm). Additional charges may be incurred if upon arrival to site the conditions described do not correspond to the Terms and Conditions.

We assume that we can deliver materials in advance for the contractor to drop into position and that there is a crane / hoist available on the day of install for equipment / materials to be lifted and taken down. Materials and equipment are delivered on pallets.

## DELIVERY OF MATERIALS



- ✓ Quotes assume that materials can be sent in advance and manouvered into position by the contractor.

## UNLOADING DELIVERY



- ✓ Access for unloading the delivery of materials is available within 30m of the site.

## PARKING / UNLOADING VAN



- ✓ Free parking is available for DCM vans. Please advise if not at quotation stage, along with details of the nearest parking available.

## SITE SET-UP



- ✓ Free working space for mixing is available
- ✓ A level working area is available for a mixer and 3m x 3m groundsheet

## WORK BEGINS!



- ✓ Welfare facilities are available onsite or nearby
- ✓ If there is an induction, it will not last longer than 2 hours
- ✓ You have made DCM aware that CSCS cards / DBS cards are required

The baron mixer is smaller and lighter than a regular mixer. It will be delivered on a pallet to site.

### TECHNICAL DATA F200

|                  |            |
|------------------|------------|
| Motor:           | 2.2 kW     |
| Current:         | 3x400 V    |
| Gear RPM:        | 32         |
| Vessel capacity: | 200 litres |
| Mixer capacity:  | 160 litres |
| Width:           | 78 cm      |
| Depth:           | 105 cm     |
| Height:          | 116 cm     |
| Weight:          | 180 kg     |



Please note: A 110V, 32A power supply is required