

# *MASTIC ASPHALT SCREED AND LEVELLING SOLUTION.*

## **BRIEFING DOCUMENT**

### **WHAT IS MASTIC ASPHALT SCREED?**

Mastic Asphalt Screed is manufactured from selected bitumen's, limestone filler and specially graded aggregates. It can be installed to create drainage falls, level out uneven substrates, and provide a stable base for the specified roof /deck waterproofing system.

### **WHERE CAN IT BE INSTALLED?**

It is designed for use on in-situ, pre-cast concrete bases, timber and plywood (see laying procedure). It is suitable for use below cold roofs, insulated warm roofs, inverted insulated roofs, all green roofs, balcony/terrace applications walkways/footbridges and car park/HGV service decks.

### **WHAT CAN BE LAID ON TO IT?**

It can receive, Mastic Asphalt, Felt systems, Hot Melt, Liquid Coatings and Single-Ply.

### **GRADES**

There are three grades of material, Light, Medium and Heavy, see chart below for further information:

Description	Available as	Recommended Thickness Range	Usage
Light Duty	Block	10 - 25mm	Roofs, Balconies, Walkways
	Hot Charge		
Medium Duty	Block	20 - 40mm	Roofs, Balconies, Walkways
	Hot Charge		
Heavy Duty	Block	35mm+ (maximum single coat thickness of 60mm)	As above + Car Parks and HGV Service Decks
	Hot Charge		

### **MATERIAL INFORMATION**

It is normally supplied directly to site in purpose built hot charge transporters capable of holding 6 to 18 tonnes of material. it is also available in block form for re-melting on site.

*NOTE: Heavy Duty blocks will require the site addition of 40-45% 10mm size coarse aggregate prior to installation.*

### **MATERIAL COVERAGE**

When laid to a thickness of 10mm will cover 40m<sup>2</sup>, when laid at 15mm will cover 30m<sup>2</sup> and 20mm will cover 20m<sup>2</sup>.

### **SITE PREPARATION**

Mastic Asphalt contractor is responsible for calculating all required falls and thickness of material required.

### **LAYING PROCEDURE**

It is applied using traditional mastic asphaltting techniques. When creating drainage falls, tapered gauges should be used to ensure that the thickness and fall are correct. Where necessary, it can be applied in multiple layers to achieve the required depth.

Mastic Asphalt Screed should be laid directly to the primed concrete/ sand & cement screed wherever possible. This is particularly important when the levelling out an uneven substrate.

Where it is used over timber/plywood decks, a separating layer of Black Sheathing Felt will be required.

As with any directly applied mastic asphalt, there is always the potential for some blowing to occur, which can usually be controlled by stabbing and making good. However, if the blowing is uncontrollable, then a Glass Fibre Tissue (GFT) separating layer should be adopted.

#### **DRYING TIME**

Mastic Asphalt Screed can be trafficked within a few hours, it also has Zero water content means no waiting for moisture to evaporate and eliminates the risk of cement stained water entering the structure. Therefore waterproofing can be laid very quickly after the installation of the Mastic Asphalt Screed.

#### **CAN IT BE USED AS A VAPOUR CONTROL LAYER?**

Yes, in warm roof systems, a minimum 13mm thick layer of Mastic Asphalt Screed laid on a Glass Fibre Tissue (GFT) separating layer will act as an effective VCL.