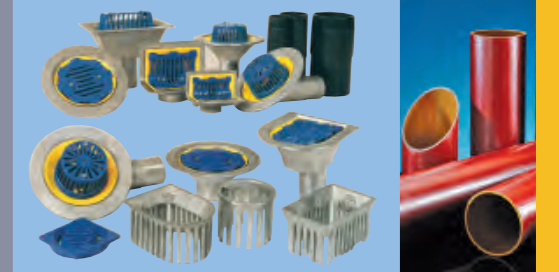


# Harmer Drainage Outlets and Adaptors



# Harmer Aluminium Roof Outlets



## Introduction

Alumasc's well established range of Harmer products provides a unique single source for innovative market-leading solutions across the whole spectrum of rainwater handling and building drainage.

The extensive range of Harmer outlets includes Roof, Floor and Shower drainage solutions for retail, industry and leisure complexes. Harmer outlets are compatible with most pipework systems and can be used in combination with the Harmer SML pipe system to provide a robust drainage solution that will continue to perform for the life of the building.

## Harmer Roof Outlets

Harmer Roof Outlets, in Aluminium, Cast Iron or Insulated polyurethane, provide comprehensive and innovative drainage solutions for all types of flat roof, including car parks, and also for low pitch industrial roofing.

The range is primarily suited to new building applications, but also includes a selection of refurbishment outlets. Harmer Roof Outlets can be connected to Harmer SML using the standard range of couplings.

The Aluminium range offers the AV high performance advanced flow range for flat roof applications. The Detail range includes outlets for applications such as balconies, gulleys and car parks, and two way outlets for use where the roof surface abuts a wall or parapet.

The cast Iron range features medium sump and large sump bodies with varying flow rate capacity to discharge requirements and building design. It's also complemented with two way parapet outlets and downspouts and an extensive range of loadbearing grates. (See pages 51-57 for details)



(See pages 51-57)

## Harmer Floor Drains

Drain bodies in powder coated aluminium, together with elegant grates, combine to create an unbeatable range of floor drains to suit virtually any interior drainage application and all types of flooring. Harmer Floor Drains are available either trapped or untrapped, with vertical or horizontal spigot connection, and with or without side inlets for connection from sink, bath, shower wastes, etc.

The extensive range of grates includes round and square configurations available in high quality stainless steel or nickel bronze. The Harmer Floor Drain offers great flexibility of choice, with a standard range of interchangeable components that are fast and straightforward to assemble and install. Harmer Floor Drains can be connected to Harmer SML using the standard range of couplings.

For suspended concrete floor applications Alumasc have developed a straightforward Pipe Adaptor which connects a grate assembly directly on to Harmer SML. (See pages 58-61 for details)



(See pages 58-61)

## Harmer Shower Drains

Compact size and high flow performance ensure that the Harmer Shower Drain is ideally suited to both refurbishment and new build projects. Available in either Aluminium or ABS antimicrobial trapped drain bodies. Enhanced design features also bring many benefits including corrosion resistance, durability, and attractive finishes that are tough and hygienic.

The wide choice of caps and grates available in stainless steel, nickel bronze, chromium plate and polyester power coated aluminium, will complement and enhance any shower or wet room design.

The Harmer Shower Drain is highly versatile; the drain bodies have a nominal 56mm diameter spigot and can be connected to most types of pipework including Harmer SML. The cap, clamp and trap have been designed to optimise efficient flow performance for self-cleaning and reduced maintenance. (See pages 62-68 for details)



(See pages 62-68)

## Vertical Spigot Outlets (Anti-Vortex Range)

Diagram	Flat grate (optional)	Domical grate	Pipe Dia (mm)	a	b	c	d	Product Code
			50	292	98	98	60	AV200
			75	292	88	108	83	AV300
			100	380	122	122	110	AV400
			150	380	98	145	160	AV600

## Vertical Screw Outlets (Anti-Vortex Range)

Diagram	Flat grate (optional)	Domical grate	Pipe Dia (mm)	a	b	c	Product Code
			50	292	86	35	AV200T
			75	292	76	45	AV300T
			100	380	95	38	AV400T
			150	380	76	38	AV600T

## 45° Spigot Outlets (Detail Range)

Diagram	Flat grate (optional)	Domical grate	Pipe Dia (mm)	a	b	c	d	Product Code
			50	305	229	175	62	245
			75	305	235	175	87	345
			100	372	273	191	114	445

## 45° Screw Outlets (Detail Range)

Diagram	Flat grate (optional)	Domical grate	Pipe Dia (mm)	a	b	c	Product Code
			50	305	159	109	245T
			75	305	159	109	345T
			100	372	186	113	445T

## 90° Spigot Outlets (Detail Range)

Diagram	Flat grate (optional)	Domical grate	Pipe Dia (mm)	a	b	c	d	Product Code
			50	305	124	232	62	290
			75	329	121	267	83	390
			100	405	142	285	110	490