



DRAINAGE SYSTEMS GUIDE

Valordek drainage specification & selection reference



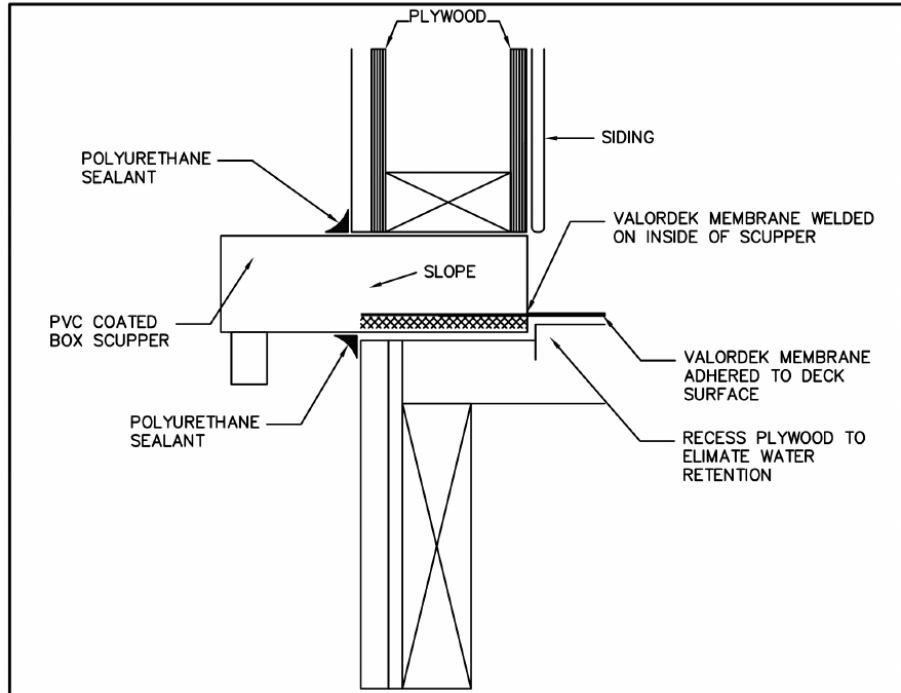
Valordek Drainage Systems

Published product and detail information at a glance.

SYSTEM	TYPE	INTERFACE / FINISH	DIMENSION	USE
PVC Coated Aluminum Scupper	Through-wall	PVC-coated flange	4" x 4" x 12"	Wall
PVC Coated Aluminum Deck Drain	Low-point	PVC-coated flange	8½" / 2¼"	Drain
WDD1 Deck Drain	Low-point	Clamp-ring / epoxy	8" / 2"	Drain
PVC Coated Roof Overflow	Secondary	PVC-coated flange	12" / 2"	Overflow

Dimension key: Deck Drain = outside flange / outlet. WDD1 = outside flange / outlet. Roof Overflow = straight outlet pipe / outlet.

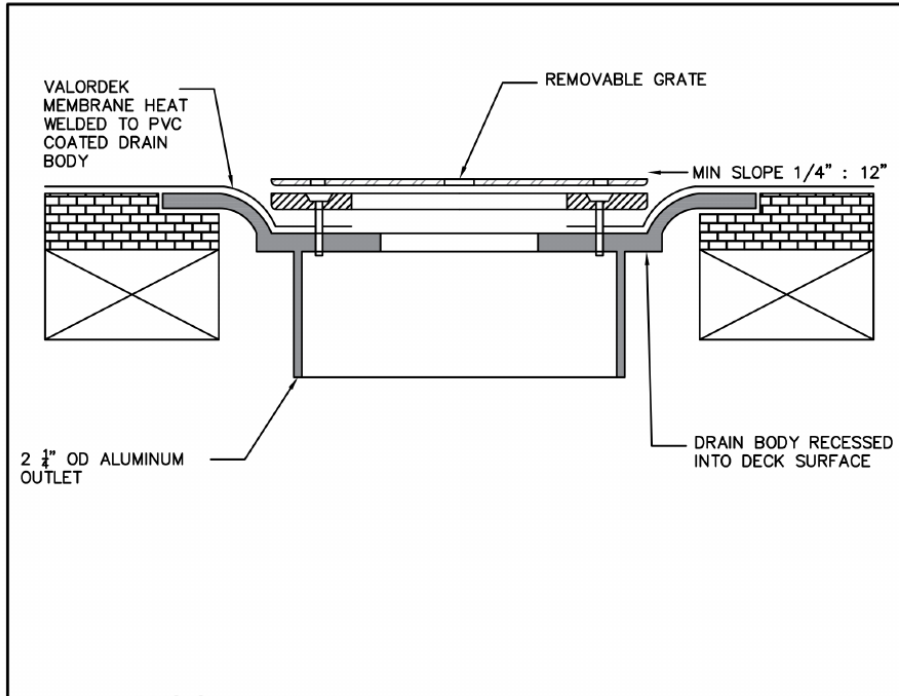
Final drainage design, sizing, quantity and overflow requirements must be coordinated with the project design and applicable codes.



APPLICATION & WATERPROOFING INTEGRATION

The Valordek PVC Coated Aluminum Scupper is designed for through-wall drainage on balconies and elevated decks. Water is directed toward the perimeter and discharged through the wall or parapet. The PVC-coated membrane flange allows the Valordek membrane to be heat welded directly to the scupper, creating a permanent watertight transition at the drainage opening. Use Detail VD-120 to coordinate the membrane weld, scupper placement and

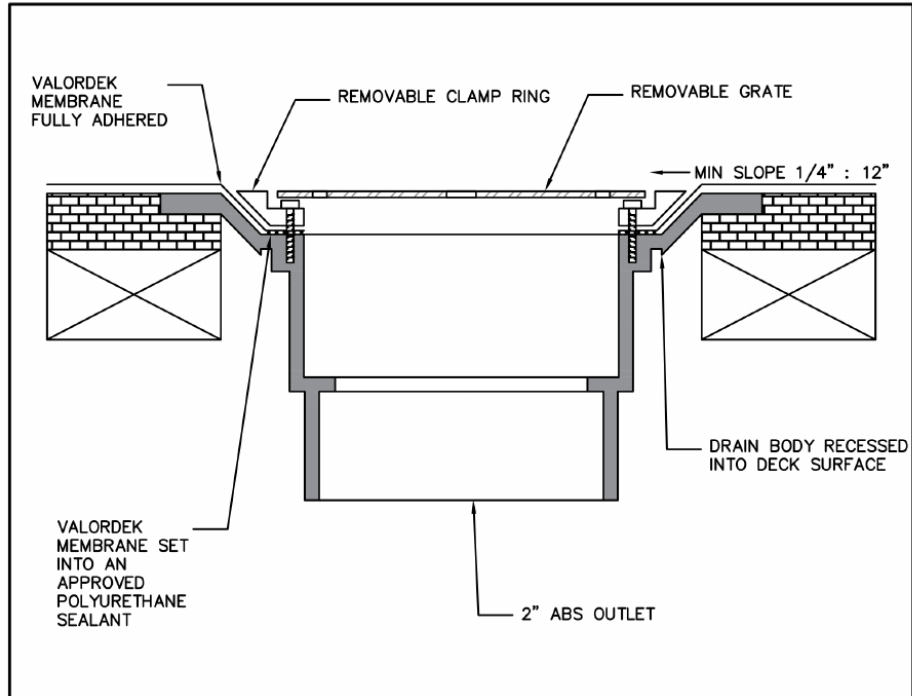
SIZE	LENGTH	FLANGE	COMPATIBILITY
4" x 4"	12"	PVC COATED	ALL MEMBRANES



APPLICATION & WATERPROOFING INTEGRATION

The Valordek PVC Coated Aluminum Deck Drain provides a low-point drainage option for residential and commercial waterproofing applications. Its heavy-duty aluminum body and PVC-coated flange allow the Valordek membrane to be heat welded directly to the drain, maintaining a continuous waterproof connection around the opening. It is suited to decks, balconies and rooftop areas where water is directed to an internal drain location. Follow Detail

OUTSIDE FLANGE	DRAIN OPENING	OUTLET	FLANGE
8 1/2"	4 1/4"	2 1/4"	PVC COATED



APPLICATION & WATERPROOFING INTEGRATION

The WDD1 Deck Drain is a durable aluminum low-point drain with a corrosion-resistant epoxy finish. It is designed for deck and balcony waterproofing applications where the project uses the WDD-1 drain interface rather than a PVC-coated weldable flange. The published VD-121 detail integrates the membrane at the drain through the clamp-ring assembly and sealant interface. Coordinate the drain body, substrate recess and outlet connection with the project drainage

OUTSIDE FLANGE

8"

DRAIN OPENING

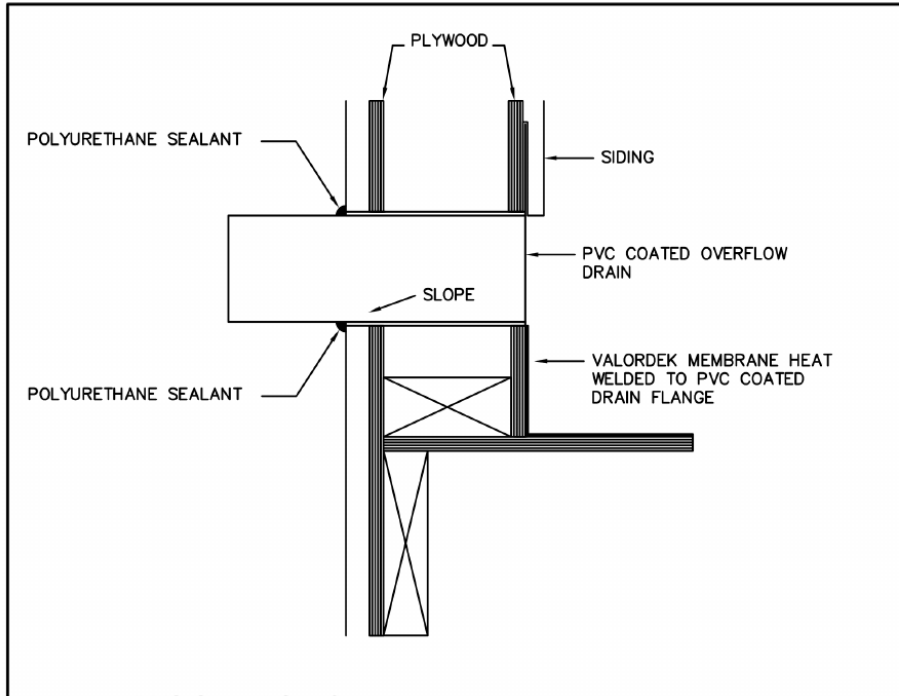
6"

OUTLET

2"

FINISH

EPOXY FINISH



APPLICATION & WATERPROOFING INTEGRATION

The Valordek PVC Coated Roof Overflow provides secondary emergency drainage to help reduce water accumulation if a primary drain becomes blocked or cannot discharge water quickly enough. The 12-inch straight outlet pipe and 2-inch outlet are combined with a PVC-coated weldable flange, allowing the Valordek membrane to be heat welded around the overflow opening. It is intended to supplement, not replace, the primary drainage system. Overflow

STRAIGHT PIPE	DRAIN OUTLET	FLANGE	FUNCTION
12"	2"	PVC COATED	EMERGENCY

Choosing the Right Drainage System

Match the drainage interface and drainage path to the project condition.

PROJECT CONDITION	RECOMMENDED VALORDEK SYSTEM
Water is discharged through a parapet or exterior wall.	PVC Coated Aluminum Scupper
A low-point deck drain with a PVC-coated weldable flange is specified.	PVC Coated Aluminum Deck Drain
A low-point deck drain using the WDD-1 clamp-ring membrane interface is specified.	WDD1 Deck Drain
Secondary emergency drainage is required.	PVC Coated Roof Overflow

OVERFLOW NOTE

The PVC Coated Roof Overflow provides emergency overflow protection. It is a secondary drainage component and should supplement, not replace, the project's primary drainage system.

Project Coordination Notes

Key items to resolve before membrane installation.

COORDINATION ITEM	PROJECT NOTE
Drainage strategy	Determine whether the assembly uses through-wall drainage, a low-point drain, secondary overflow drainage, or a combination.
Substrate slope	Form the substrate so water is positively directed to the intended drainage point. Avoid reverse slope and isolated low spots.
Drain location	Coordinate drain, scupper and overflow locations before membrane installation and before downstream drainage connections are finalized.
Component elevation	Position or recess the drainage component as required by the applicable detail so the membrane transition does not restrict water flow.
Membrane transition	Use the applicable Valordek technical detail for PVC-coated weldable flanges, clamp-ring interfaces, sealants and membrane transitions.
Overflow requirements	Confirm overflow location, elevation, sizing and applicability with the responsible design professional and applicable codes.

PROJECT NOTE

Drainage layout, quantity, sizing, slope, overflow requirements and building connections are project-design items. The responsible project professional must verify suitability for the specific assembly.

Drainage Submittal Reference

A concise checklist for project packages and coordination.

SUBMITTAL ITEM	INCLUDE
Selected drainage component	Published product name and applicable Valordek detail code
Application	Through-wall, low-point or secondary overflow drainage
Dimensions	Published flange, opening, outlet, pipe or body dimensions
Waterproofing interface	PVC-coated weldable flange or detail-specific clamp-ring interface
Project coordination	Slope, location, drainage connection and overflow requirements

Related Valordek Details

TECHNICAL DETAIL	REFERENCE
PVC Coated Box Scupper Detail	VD-120
PVC Coated Aluminum Deck Drain Detail	VD-122
WDD-1 Deck Drain Detail	VD-121
PVC Coated Overflow Drain Detail	VD-101

BASIS OF DESIGN

Drainage components shall be compatible with the specified Valordek membrane system and selected to suit the project condition. PVC-coated components shall provide a weldable flange suitable for integration with the membrane.

DISCLAIMER: Valordek supplies finished products only. Project engineering, dimensions, drainage design, code compliance and suitability must be verified by the architect, contractor, engineer or owner's representative.