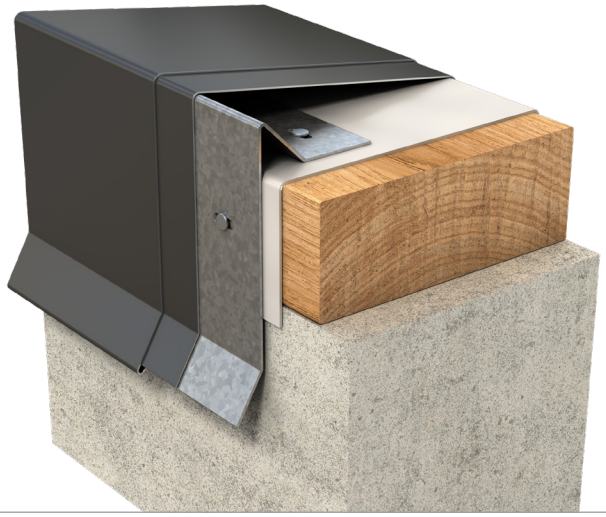
Kingspan Continuous Cleat Coping Systems

Technical Data Sheet

Product Description

Kingspan Continuous Cleat Coping Systems are comprised of pre-manufactured system components that cap the top of the parapet wall to prevent water entry while providing an architectural feature. This system can be installed in both new construction and re-roof applications in low-slope commercial roofing.



Manufactured in the U.S.A.

Kingspan Continuous Cleat Coping Systems are manufactured in the U.S.A. with domestically sourced materials.

Features & Benefits

- **Long-Term Weather Resistance:** Kingspan Continuous Cleat Coping Systems play a critical role in protecting Kingspan Roofing Systems against wind uplift, water infiltration, and structural damage, acting as a barrier that reinforces the roof membrane during extreme weather events and preventing leaks, mold, rot, and costly structural damage to the building.
- **Added Curb Appeal** – beautiful finishing touch to the building's aesthetics.
- **Pre-manufactured systems ship with all needed components to complete installation**.
- **Engineering design for fast, efficient installation**.
- **Rigorously tested for quality and reliability**, all products meet ANSI/SPRI/FM 4435/ES-1 standards, ensuring code compliance and long-term performance.
- **Custom Fabrication available** to fit any project's needs.
- **Wide Variety of PVDF Organic Color Options** available with more than 40 stock color coatings utilizing cool pigment paint that reflects infrared radiation into the atmosphere, providing cooler surface temperatures and maximum fade resistance. Meets AAMA 2605 when applied to aluminum.
- **Kingspan Technical Support** available including design and development assistance, product specification guidance, and installation support as needed.
- **Kingspan Roofing System Warranty** options available.

System Installation Options

- Kingspan Continuous Cleat Coping Systems can be installed on any Kingspan Roofing System regardless of whether it is an Adhered System or a Mechanically Attached System.

Codes & Approvals

All Kingspan Continuous Cleat Coping Systems have been tested per ES-1 standard to meet International Building Code requirements for low-slope perimeter edge systems.

FM APPROVED

ANSI/SPRI/FM 4435/ES-1

Application

- Check to make sure the wood nailer and membrane have been installed correctly. Note: Wood nailer should be installed flush with the face of the parapet wall and the membrane should extend below the nail at the face.
- Install Kingspan Continuous Cleat on the top of the front face of the wall with ring shank nails at 12" o.c. through pre-punched slots in the face and at 32" o.c. through pre-punched slotted holes in the top flange.
- At outside corner, field miter continuous cleats should sit flush together and at inside corner, run continuous cleats to sit flush together.
- Install inside and outside mitered corners on continuous cleats, securing the back side with #9 x 1-½" screws through pre-punched slots. While installing mitered corners, install concealed interior splices with Kingspan Water Block Sealant.
- When ending coping into another wall, use factory installed end term section. When ending coping at wall end, use factory installed end closure section.
- Install coping cover and secure appropriate fasteners as shown. For longer continuous runs of coping covers, use splices with Kingspan Water Block Sealant to join together.
- Consult the Kingspan Application Guide to install Kingspan Continuous Cleat Coping Systems in accordance with Kingspan's specifications and requirements.

Safety Precautions

- Use proper equipment and assistance when moving, lifting, handling, or transporting Kingspan Continuous Cleat Coping System components to avoid personal injuries as well as to avoid damaging the material.
- Reference the Kingspan product Safety Data Sheet for additional safety information.

Storage

- Kingspan Continuous Cleat Coping Systems, like other components used in Kingspan Roofing Systems, must be protected from exposure to moisture before, during, and after installation.
- Kingspan Continuous Cleat Coping Systems and components stored outside must be stored level and off the ground and protected by a breathable waterproof covering.

Typical Properties

Properties	ASTM Test Method	Result
Dry Film Thickness & Coating Properties		
Dry-Film Thickness of Organic Coatings	D 1005	Tested to ASTM Standard
Measurement of Dry Film Thickness of Protective Coating Systems by Destructive, Cross-Sectioning Means	D 4138	Tested to ASTM Standard
Measurement of Dry Film Thickness of Thin-Film Coil-Coated Systems by Destructive Means Using a Boring Device	D 5796	Tested to ASTM Standard
Film Hardness by Pencil Test	D 3363	Tested to ASTM Standard
Coating Flexibility of Prepainted Sheet	D 4145	Tested to ASTM Standard
Mandrel Bend Test of Attached Organic Coatings	D 522	Tested to ASTM Standard
Durability & Performance		
Impact Resistance	D 2794	Tested to ASTM Standard
Adhesion	D 3359	Tested to ASTM Standard
Water Immersion	D 870	Tested to ASTM Standard
Abrasion Resistance	D 968	Tested to ASTM Standard
Acid Resistance	D 1308	Tested to ASTM Standard
Acid Rain Resistance (Kesternich)	G 87 or DIN 50018	Tested to ASTM Standard
Salt Spray	B 117	Tested to ASTM Standard
Cyclic Salt Spray	D 5894	Tested to ASTM Standard
Humidity Resistance	D 2247	Tested to ASTM Standard
Accelerated Weathering	D 822	Tested to ASTM Standard
Operating Xenon Arc Lamp Apparatus for Exposure of Materials	G 155	Tested to ASTM Standard
Exposing Nonmetallic Materials in Accelerated Test Devices	G 151	Tested to ASTM Standard
Operating Enclosed Carbon Arc Light Apparatus for Exposure of Nonmetallic Materials	G 153	Tested to ASTM Standard
Color Retention, Florida Exposure	D 2244	Tested to ASTM Standard
Chalking Resistance	D 4214	Tested to ASTM Standard
Cleveland Condensing Cabinet	D 4585	Tested to ASTM Standard
Cure Test, MEK Resistance	D 5402	Tested to ASTM Standard
Physical Properties		
Alkali Resistance, Sodium Hydroxide	D 308	Tested to ASTM Standard
Galvanized Steel	A 653	Tested to ASTM Standard
55% Aluminum-Zinc alloy coated Steel	A 792	Tested to ASTM Standard
Aluminum	B 209	Tested to ASTM Standard
Copper	B 370	Tested to ASTM Standard
Coil Coating	A 755	Tested to ASTM Standard

Product & Size Information

- To request a quote, please complete the Kingspan Metal Edge Program Quote Request Form available on kingspanroofing.com and submit to your local Kingspan Territory Sales Manager. You will receive a quote back within 2-3 business days.

Ordering SKU	Description
600000001372	Kingspan Metal Edge Program

- **Standard Offerings:** Kingspan Continuous Cleat Coping has a continuous 22 gauge metallic coated steel cleat at the face, and covers that are brake formed from 0.040, 0.050, or 0.063 aluminum, and 24 or 22 gauge metallic coated steel.
- **Special Offerings:** 22 gauge stainless steel cleat and covers of 16 oz. or 20 oz. copper, 24 or 22 gauge stainless steel, and 1.0 mm zinc.
- **Sizes and Profiles:** Kingspan Continuous Cleat Coping has a flat face and top with a 0.75″ slope from front to back. Standard sizes are: 4″ – 5.5″ face, 4″ – 24″ wall, and 3″ – 4.5″ back. Custom sizes are available. Standard straight sections are 12′-0″ long, and standard miters have legs 1′-0″ longer than the wall width. Prefabricated miters and other accessories are available cinched and sealed (standard) or welded and post-painted (optional).

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For the product offering in other markets please contact your local sales representative.

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