MOVING TOWARDS MICROFLASHING™
Rick Gentry
EXECUTIVE VP

ABOUT ME
• 30 years working at Quickscrews
• First Employee Hired by Quickscrews
• Fastener salesman for 34 years
• Pioneer of QuickBOLT in 2009
• Sales Consultant
• Product Development
• Marketing Strategies
WHO IS QUICKBOLT?

ASPHALT SHINGLE

ALL TILE

CURVED TILE

FLAT TILE

STONE COATED STEEL

METAL
WHO IS QUICKBOLT?

ASPHALT SHINGLE

ALL TILE

CURVED TILE

FLAT TILE

STONE COATED STEEL

METAL
MOVING TOWARDS MICROFLASHING™: THE EVOLUTION OF RESIDENTIAL ROOF FLASHING
Flash•ing

/flaSHiNG/
noun

a piece of material used to stop water from penetrating the junction of a roof with another surface
FLASHING CODES

AHJ
(AUTHORITY HAVING JURISDICTION)
FLASHING CODES

AHJ
(AUTHORITY HAVING JURISDICTION)

ICC
INTERNATIONAL CODE COUNCIL
FLASHING CODES

ICC (INTERNATIONAL CODE COUNCIL)

IBC (INTERNATIONAL BUILDING CODE)

IRC (INTERNATIONAL RESIDENTIAL CODE)
Flashing shall be installed in such a manner so as to prevent moisture entering the wall and roof through joints in copings, through moisture-permeable materials and at intersections with parapet walls and other penetrations through the roof plane.
FLASHING CODES

IBC (INTERNATIONAL BUILDING CODE)

1507-2-9
Flashings shall be applied in accordance with this section of the code and also the asphalt shingle manufacturer's printed instructions.
1507-2-7
Asphalt shingles shall have the minimum number of fasteners required by the manufacturer.
Components used to weatherproof or seal roof system edges at perimeters, penetrations, walls, expansion joints, valleys, drains and other places where the roof covering is interrupted or terminated.
FLASHING BEST PRACTICES

UL

(UNDERWRITER'S LABORATORY)
ALUMINUM FLASHING
ALUMINUM FLASHING

WHAT IS ALUMINUM FLASHING?

• "Traditional" flashing system
• 12" x 12" sheet of aluminum
• Redirects water runoff on pitched roofs
ALUMINUM FLASHING

HOW IS IT INSTALLED?

• Lift shingles
• Insert underneath shingles
ALUMINUM FLASHING

1900's

1980's

2008

2012

TODAY

PROS

• Been around for a long time
• Malleable and lightweight
• Can be cut to smaller sizes
• $
ALUMINUM FLASHING

**CONS**

- Risk voiding roofing warranty
- Risk breaking code
- Breaking shingles
- Bulky
- Hard to work with
- Time consuming installation
GALVANIZED FLASHING
WHAT IS GALVANIZED FLASHING?

- 9" x 12" sheet of Galvanized Steel
- Redirects water runoff on pitched roofs
GALVANIZED FLASHING

HOW IS IT INSTALLED?

• Lift shingles
• Insert underneath shingles
GALVANIZED FLASHING

**PROS**
- Easier to install than Aluminum
- Less expensive than Aluminum
GALVANIZED FLASHING

CONS

- Risk voiding roofing warranty
- Risk breaking code
- Breaking shingles
- Bigger and Bulkier
- Can't be resized
- Time consuming installation
- Can rust
2008: Rubber Bushed Flashing
WHAT IS RUBBER BUSHED FLASHING?

- 7" x 12" sheet
- Aluminum with Rubber EPDM
- Seals against the mount to keep water from entering the penetration
HOW IS IT INSTALLED?

- Lift shingles
- Insert underneath shingles
- Drive mount into Bushing
**PROS**

- Truly watertight seal
**CONS**

- Risk voiding roofing warranty
- Risk breaking code
- Breaking shingles
- Bulky
- Time consuming installation
- $$$
ELEVATED FLASHING
**WHAT IS ELEVATED FLASHING?**

- 9" x 12" sheet of aluminum
- Raised section keeps water from running over the penetration
HOW IS IT INSTALLED?

- Lift shingles
- Insert underneath shingles
**PROS**

- More water resistant than traditional
**CONS**

- Risk voiding roofing warranty
- Risk breaking code
- Breaking shingles
- Bulky
- Time consuming installation
- $$$
WHAT IS MICROFLASHING?

• 3" or 4" compression washer
• Stainless Steel backed EPDM
• Hangar bolt compresses the washer onto the roof
• 100% watertight seal
HOW IS IT INSTALLED?

- Place on top of shingle
- Drive bolt into joist
**PROS**

- Fastest installation time
- Smallest & easiest to work with
- No risk of voiding warranty
- No risk of breaking code
- 100% leakproof
- 25-year warranty
- Most cost-effective
- UL Certified
CONS

• "Traditionalists"
MICROFLASHING™ & THE QUICKBOLT
QUICKBOLT

COARSE THREAD
QUICKBOLT

- COARSE THREAD
- TYPE 17 POINT
QUICKBOLT
SIDE MOUNT
ADJUSTABLE
MICROFLASHING™ SIZES AVAILABLE

ASPHALT SHINGLE

17724
17672
ASPHALT SHINGLE

SIDE MOUNT

LOW PROFILE

MICROFLASHING™ SIZES AVAILABLE

17721

17667
ASPHALT SHINGLE ROOF MOUNTS
ALL TILE ROOF MOUNTS
CURVED TILE

FLAT TILE

SIDE MOUNT

BOTTOM MOUNT

ADJUSTABLE

SCREW KITS AVAILABLE

17585

17578

17700
CURVED TILE
ADJUSTABLE
SIDE MOUNT
BOTTOM MOUNT
SCREW KITS AVAILABLE

17516
17520
17524
17568
17574
CURVED TILE

SIDE MOUNT

BOTTOM MOUNT

SCREW KITS AVAILABLE

17508

17510

17706
FLAT TILE ROOF MOUNTS
FLAT TILE

SIDE MOUNT

BOTTOM MOUNT

SCREW KITS AVAILABLE

17540

17544
# FLAT TILE ROOF HOOK vs. [HD+] HEAVY DUTY FLAT TILE ROOF HOOK

<table>
<thead>
<tr>
<th></th>
<th>HOOK THICKNESS</th>
<th>SPAN LENGTH</th>
<th>AVERAGE MAXIMUM COMPRESSION LOAD (LBS.)</th>
<th>AVERAGE MAXIMUM TENSILE LOAD (LBS.)</th>
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<tr>
<td>FLAT TILE ROOF HOOK</td>
<td>5mm</td>
<td>4ft.</td>
<td>141</td>
<td>203</td>
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<tr>
<td>[HD+] FLAT TILE ROOF HOOK</td>
<td>7mm</td>
<td>6ft.</td>
<td>691</td>
<td>2222</td>
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STONE COATED STEEL ROOF MOUNTS
CURVED TILE  
ADJUSTABLE  
SIDE MOUNT  
BOTTOM MOUNT  
SCREW KITS AVAILABLE  

ADJ  
17516  
17520
CURVED TILE

SIDE MOUNT

BOTTOM MOUNT

SCREW KITS AVAILABLE

17516

17520

17524

17568
ALUMINUM FLASHING OPTIONS

ALL TILE MOUNTS
CURVED TILE MOUNTS
FLAT TILE MOUNTS
STONE COATED STEEL MOUNTS
OVERVIEW

- UNDERSTAND CODES
- MAKE INFORMED DECISIONS
- MICROFLASHING'S INNOVATIVE FLASHING TECHNOLOGY
- QUICKBOLT
- QUICKBOLT'S ROOF MOUNTS
THANK YOU

SPEC SHEETS, TESTING, & INSTALL INSTRUCTIONS AVAILABLE ONLINE
ORDER ONLINE
WWW.QUICKBOLT.COM

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