

# HB400

## HYBRID

# LIQUID

# FLASHING



Hybrid polymer based, fluid applied flashing used to create a weather resistant, fully adhered waterproof barrier system around window and door installations.

# SIMPLE & FAST

Application

Solve typical and challenging flashing needs

An all purpose use

# Akfix®

MASTER OF SOLUTIONS

## CREATES PERMANENT SOLUTIONS

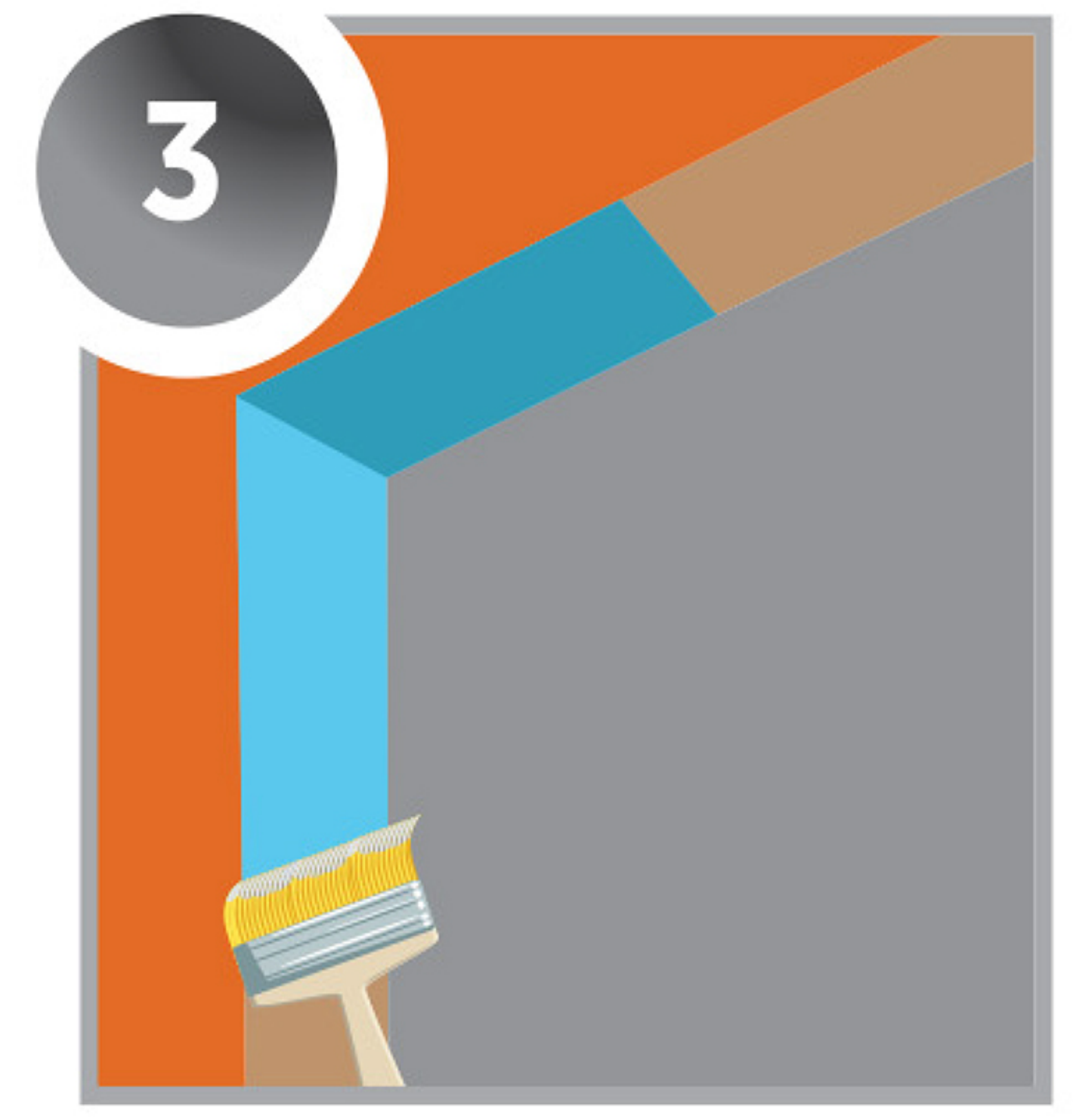




1  
Clean and prepare the surface and ensure that all areas to receive HB400 are clean, dry, smooth, and free from all bond-breaking contaminants.



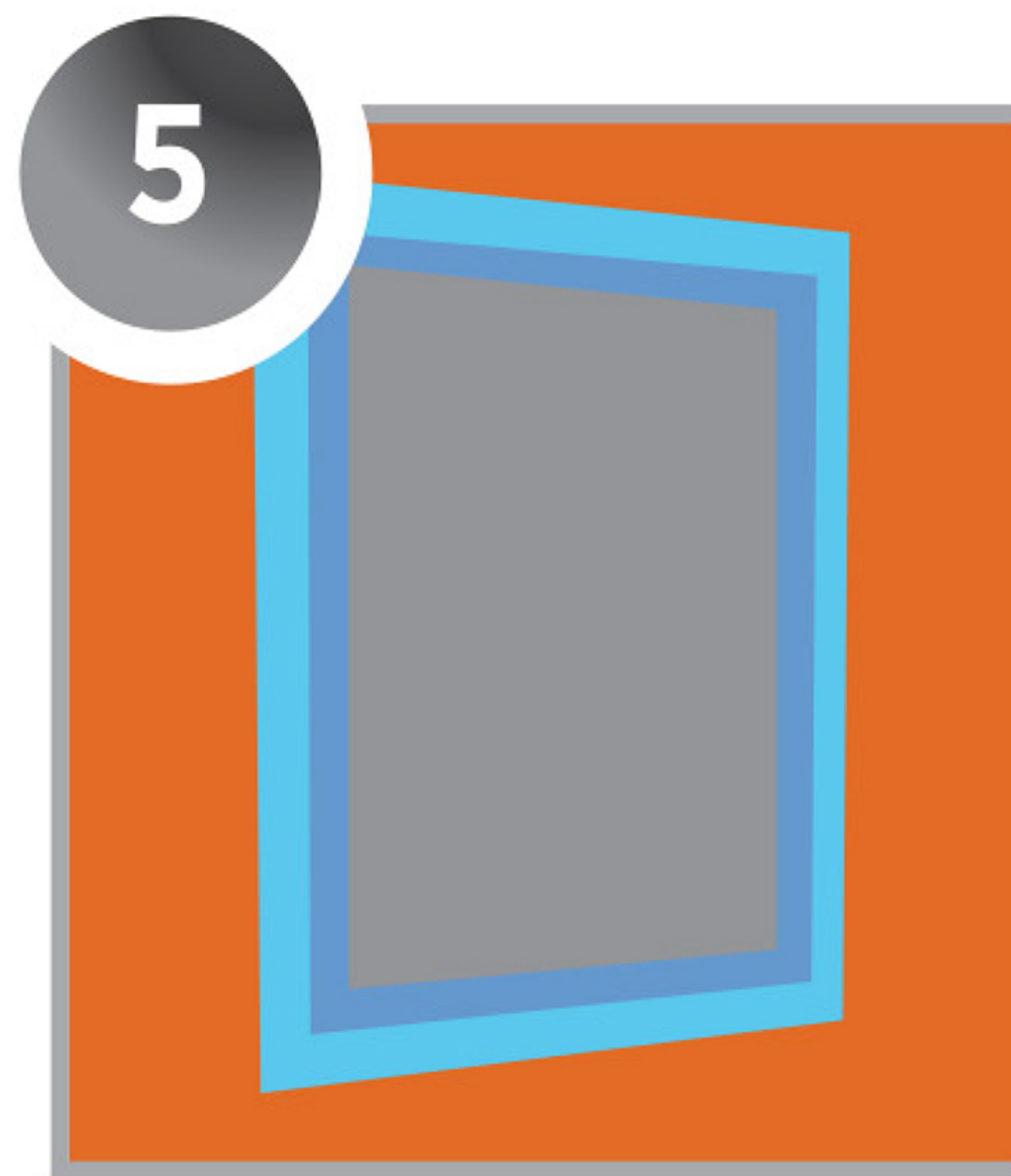
2  
Manually mix the aluminum package until Akfix HB400 is homogeneous enough.



3  
Apply HB400 starting at the corner of the side and head jams to the appropriate thickness with a brush or a spatula and cover all inside of a window opening.



4  
On the outside of the rough opening, apply a sufficient amount of HB400 around the window perimeter, starting from the top to down with a brush or a spatula.



5  
Upon completion, ensure that HB400 is continuous and free of any voids or pinholes on the surface. After curing, install the window.



6  
After installation, apply HB400 liquid flashing over the flange of the window, and to make sure the proper application, repeat on the window sides.

## TYPICAL DETAILS

**Wall (door&window)**

- 1.Wall
- 2.Frame
- 3.HB400

**Wall Penetration (pipe)**

- 1.Wall
- 2.Pipe
- 3.HB400

**Joint and fastener (wall)**

1. Wall
2. HB400

**Roof Penetration (drain)**

- 1.Substrate
- 2.Roof drain
- 3.HB400

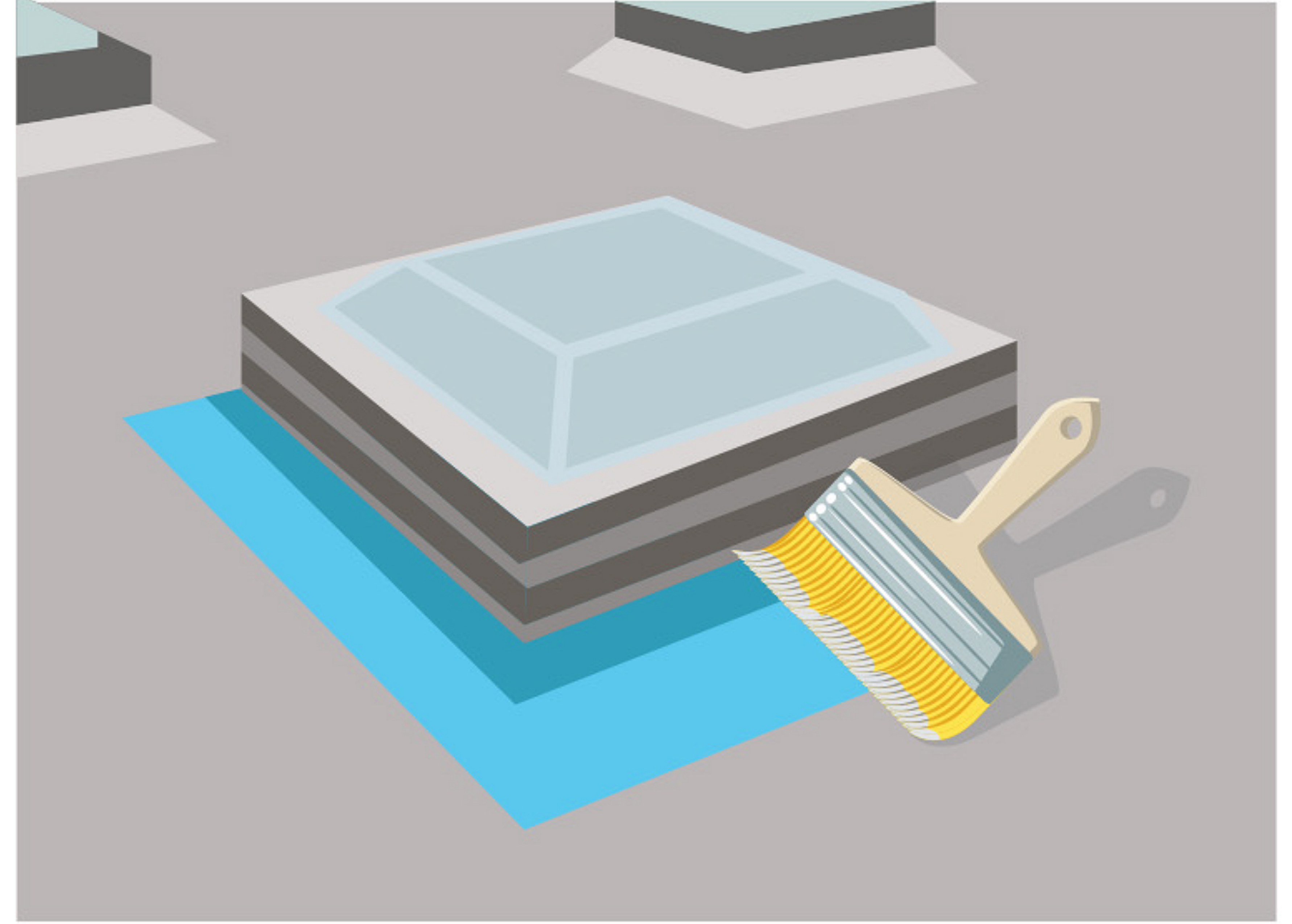
# Application Areas

**HB400 is mainly used to waterproof details like:**

- Vertical and Horizontal surfaces • Window-door flashing • Wall Flashing
- Roof and Roof penetrations flashing • Surface restoration of old substrates



Window Flashing



Roof Penetrations



Vertical and Horizontal Surfaces



Roof Flashing

## Advantages

- No primer required
- Provides water vapor permeability
- In case of damage, membrane can be easily repaired locally within minutes
- Can be applied on damp surface
- Free of bitumen, isocyanates and solvents.
- Resistant to water, rain and frost
- Simple application (easy to use trowel application.)
- Allows substrates to breathe.
- Bonds to multiple materials.

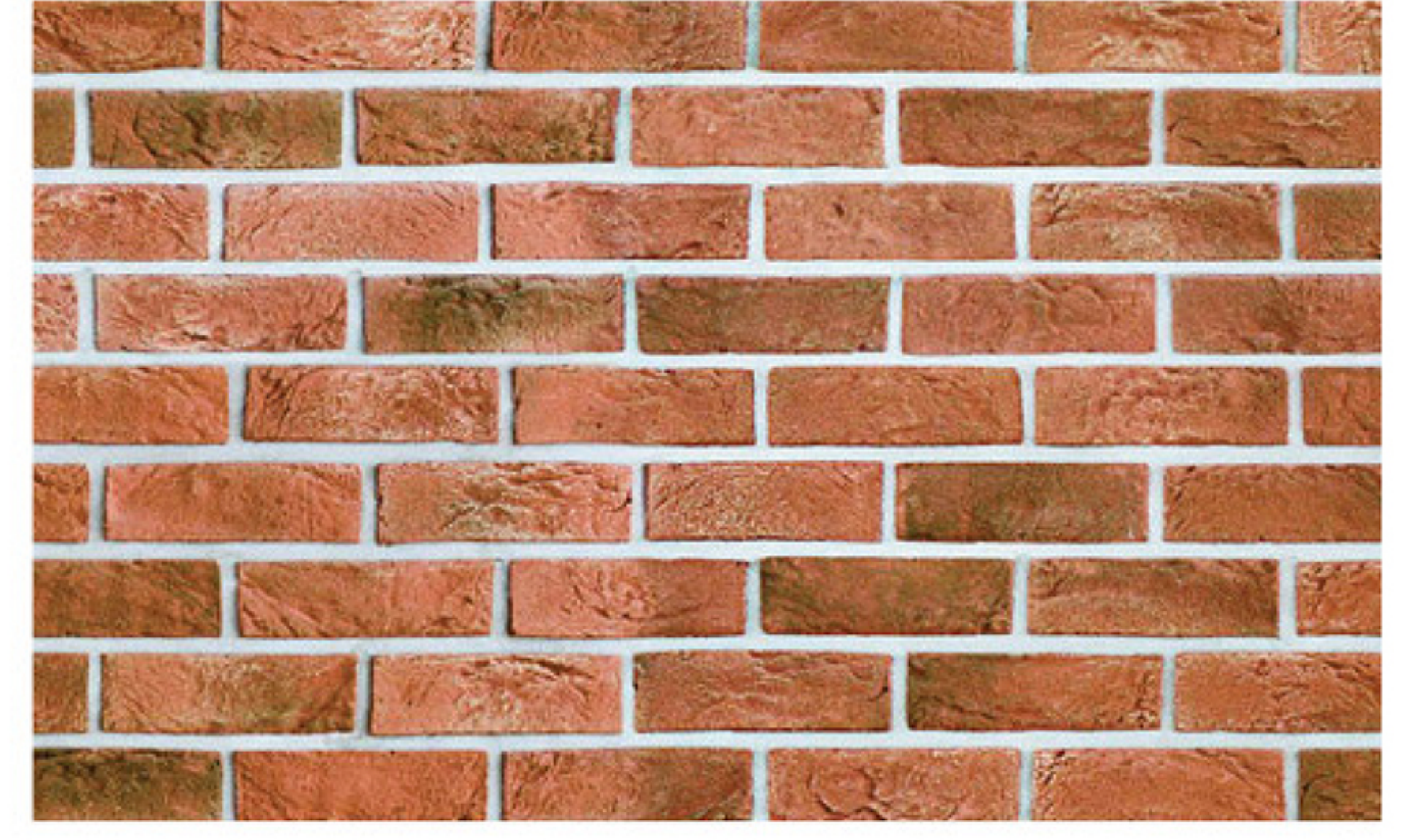
# Substrates



Concrete



Mortar



Brick & Stone



Roof Tiles



Shingle



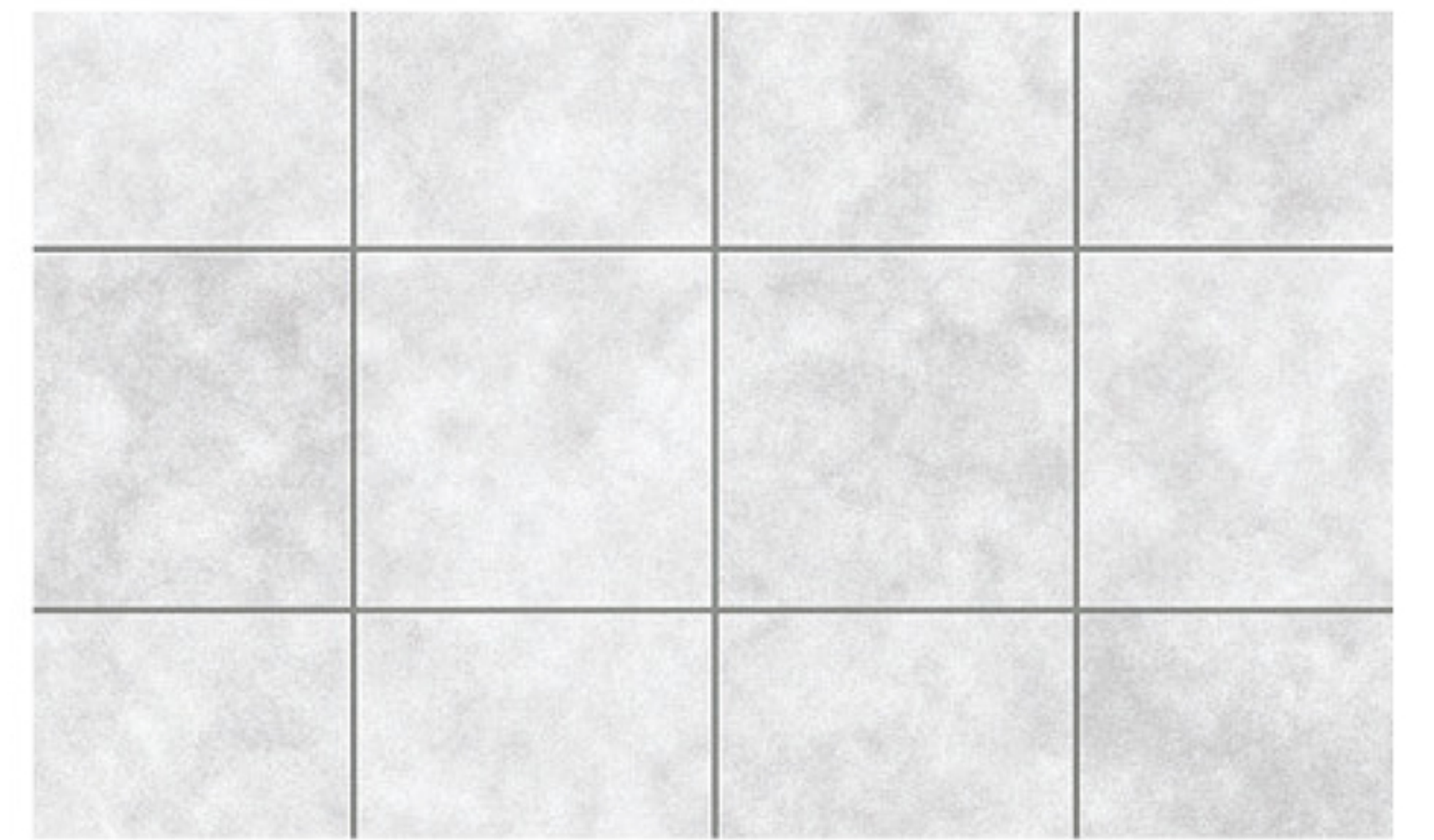
Bituminous Sheets & Coatings



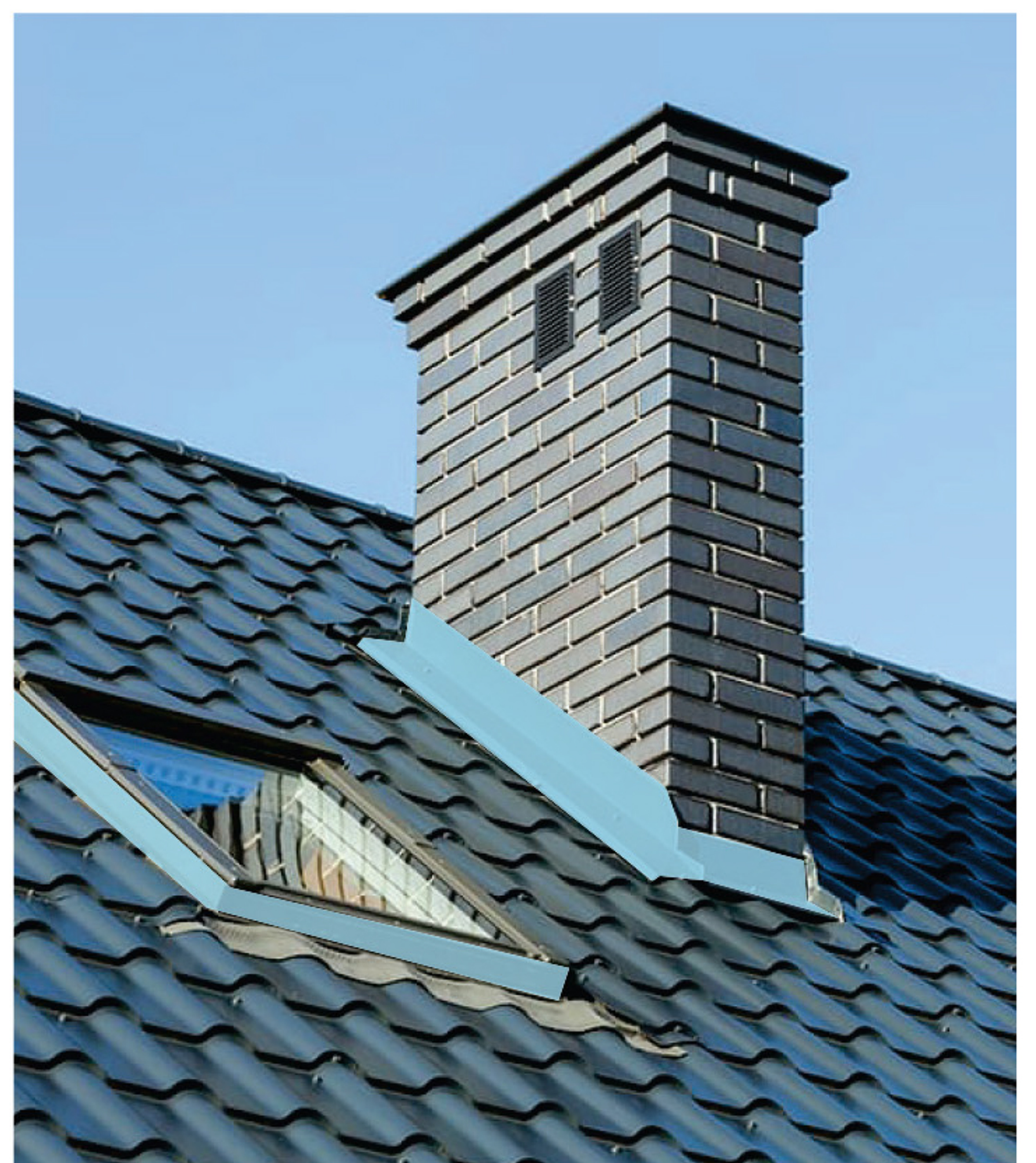
Metal



Wood



Tiles



# HB400 HYBRID LIQUID FLASHING

## TECHNICAL FEATURES

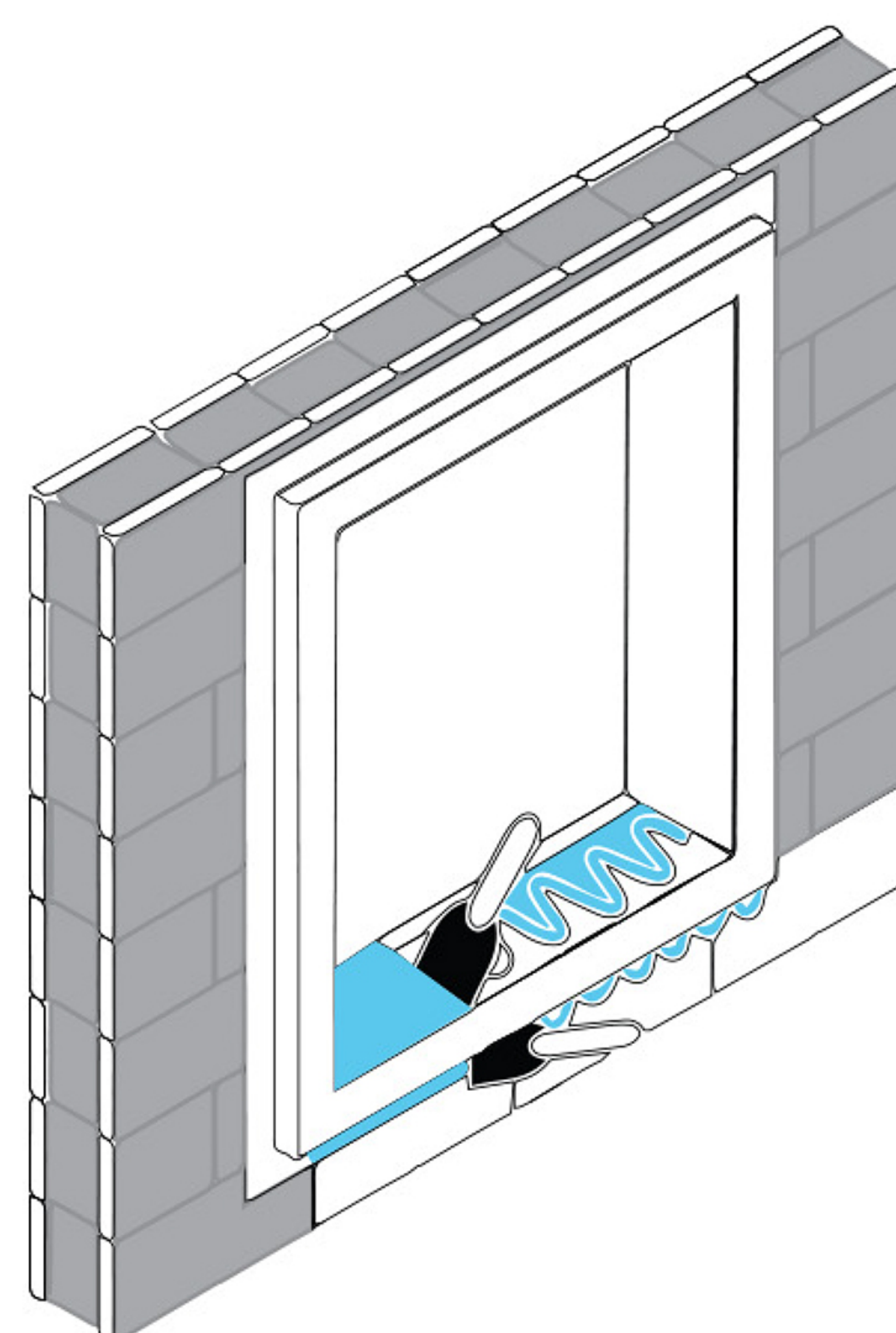
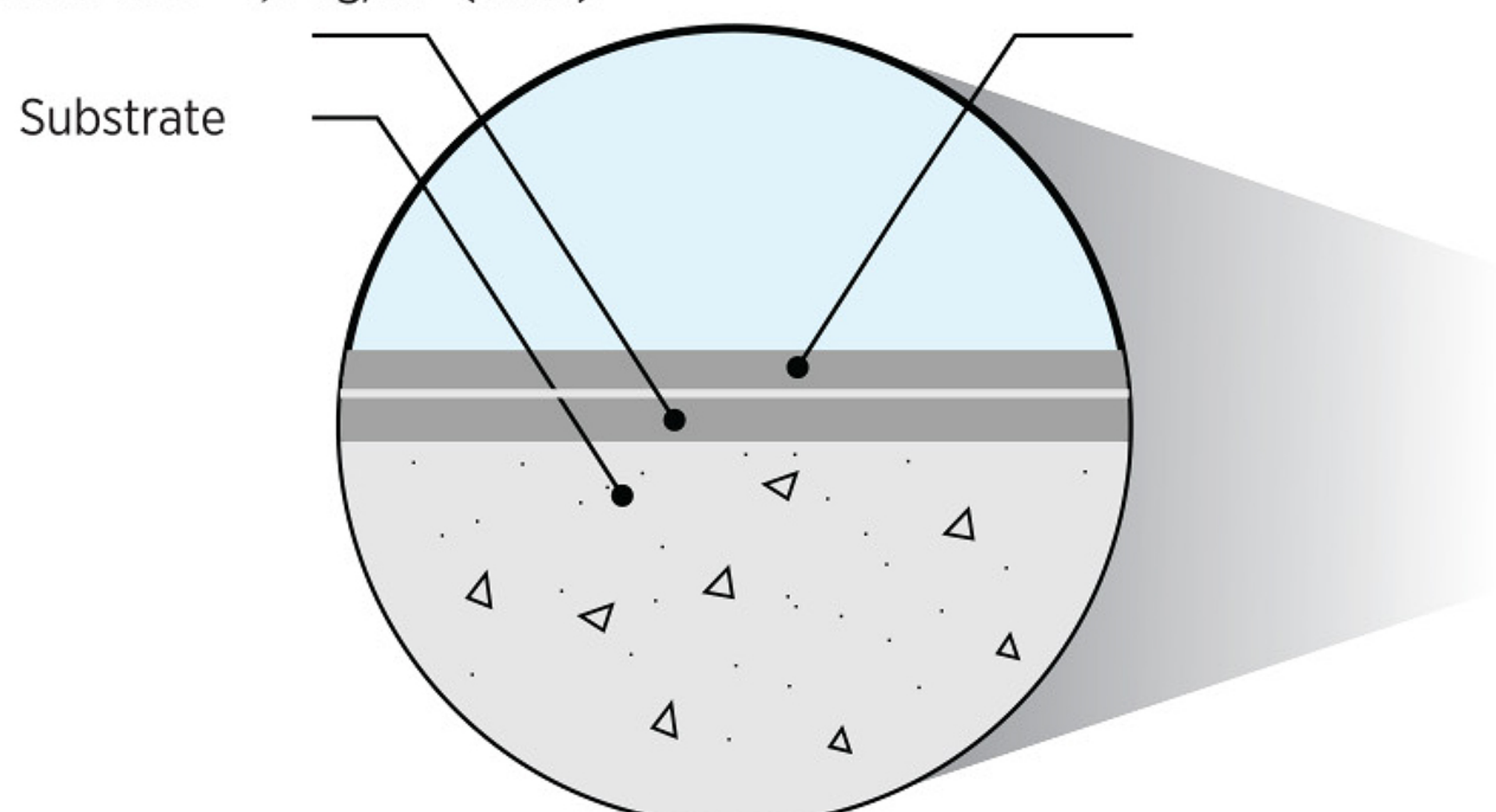
Basis	: Hybrid Polymer
Curing Mechanism	: Moisture
Density	: 1,46 ± 0,03 g / ml
Consistency / Color	: Viscous liquid / Blue
Hardness Shore A	: 35-40
Viscosity	: 80.000-140.000 cps (Spindle 07, Brookfield)
Skin Formation Time	: 50 ± 5 min (23°C, 50% R.H.)
Curing Performance	: Min.2,5 mm/24h (23°C, 50% R.H.)
Elongation at Break	: ≥ 250%
Tensile Strength	: 1,6-2,1 N/mm <sup>2</sup>
Application Temperature:	+5°C to +40°C
Temperature Resistance	: -40 °C to +90°C

Chemical Resistance	HB400
Sulfuric Acid 10%	±
Sulfuric Acid 25%	±
Sulfuric Acid 50%	-
Phosphoric Acid 10%	±
Phosphoric Acid 30%	±
Citric Acid 10%	-
Formic Acid 1%	±
Potassium Hydroxide 20%	+
Potassium Chloride 25%	+
Ammonia 25%	+
Hydrogen Peroxide 3%	+
Sodium Chloride 25%	+
Iron Sulfate 5%	+
Diesel	+
Unleaded gasoline, 98 octane	±
Engine oil	+

## CONSUMPTION

First Coat of HB400 - 1,5 kg/m<sup>2</sup> (1mm)

Second Coat of HB400 - 1,5 kg/m<sup>2</sup> (1mm)



# HB400 HYBRID LIQUID FLASHING

## Packaging:

- 600 ml Sausage
- 1 kg Metal Tin
- 14 kg Plastic Pail
- (with 2x7kg Aluminum foil)



## Storage And Shelf Life

- It should be protected from water, frost and adverse air conditions.
- It should be kept dry and cool on wooden pallets at between +10 °C and +25 °C in moisture free conditions.
- Opened product should be consumed immediately.
- Shelf life of the unopened original packaging is 9 months from manufacturing date.

## RESTRICTIONS

- The substrate must be clean, dry and free of all contamination such as dirt, oil, grease
- Before application, grind the surface with sandpaper
- Always remove old paints
- Always perform adhesion test before application
- Avoid standing water
- For pedestrian traffic, apply protective coating on the HB400 such as concrete, ceramic etc.



/Akfixsealants

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