



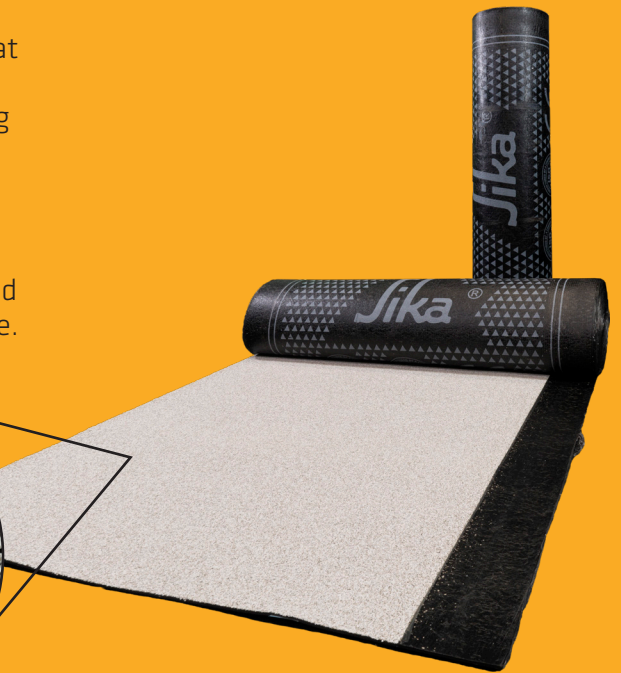
# SIKASHIELD® HB79 HYBRID BITUMEN MEMBRANE

## **SikaShield® HB79 MG 160 mils**

SikaShield® HB79 is a 2-in-1 “hybrid” modified bitumen membrane that combines APAO (a premium type of APP polymer) and SBS asphaltic membrane technologies to produce a more resilient and longer-lasting modified bitumen membrane solution.

APAO polymer is compatible with SBS making the innovative combination possible. The APAO top layer exhibits excellent heat resistance and durability while the SBS bottom layer exhibits increased elongation, cold weather flexibility, and a secure bond to the substrate.

SikaShield HB79 is reinforced with both polyester and glass fiber for increased strength, elongation, shear/tear resistance, and dimensional stability. This makes the membrane perfect for locations with seasonal climate and temperature changes as well as buildings with heavy foot traffic during and after installation. *Third-Party Certified by the British Board of Agreement (BBA), SikaShield HB79 is noted as being able to have a “service life of at least 35 years.”\**



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# Features and Benefits

SikaShield® HB79 when tested against similar SBS and APP membrane shows no signs of deterioration from UV or Thermal Shock.

SikaShield® HB79's seams also exhibit high strength and durability. Both new and aged seams meet the standards of UEAt Directives.



## Increased Longevity

Third-Party Certified by the British Board of Agreement (BBA), SikaShield HB79 is noted as being able to have a "service life of at least 35 years."\*



## Thicker Membrane

At 160 mils thick on the overlap, SikaShield® HB79 protects your building from hail and punctures. Our membrane is 30-40 mils thicker than others on the market.



## Excellent Mechanical Resistance

The reinforcement is a special composite of a fiberglass mat compressed between two layers of non-woven spunbonded polyester.



## Sustainable

Membranes are made with recycled content reducing waste in landfills. White granules also offer high reflectivity, reduce smog, and help to reduce the Urban Heat Island Effect.



## Versatile

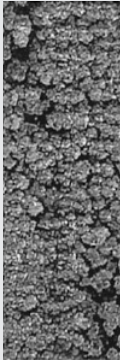
Install by torch, mop, cold adhered or mechanically attached. Can be used with other SikaShield APP or SBS membranes.

\* British Board of Agreement, Certificate #19/5716, 2023, Page 11

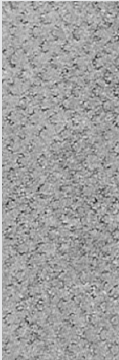
## QUV Test

Test of resistance to the combined action of water and UV rays

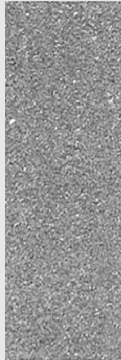
One Cycle:  
4 hours UV rays at 140°F  
4 hours condensated water at 104°F



SBS after 800 cycles



APP after 800 cycles



SikaShield® after 800 cycles

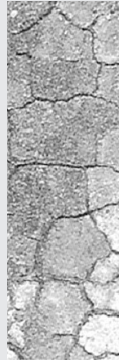
## Thermal Shock

Test of resistance to rapid temperature changes

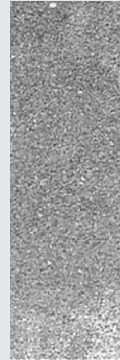
One Cycle:  
55 minutes IR rays at 176°F  
5 minutes water at 59°F



SBS after 500 cycles



APP after 1500 cycles



SikaShield® after 1500 cycles

## WE ARE SIKA

With more than 100 years of experience, Sika is a worldwide innovation and sustainability leader in the development and production of systems and products for commercial and residential construction, as well as the transportation, marine, automotive, and renewable energy manufacturing industries.

Sika has offices in 103 countries with over 400 manufacturing facilities and more than 33,000 employees worldwide. With annual sales of CHF 11.24 billion in 2023, our commitment to quality, innovation, and the environment as well as putting our customer's needs first, encompasses why Sika is the global leader in our industries.

Our most current General Sales Conditions shall apply. Please consult the most current local Product Data Sheet prior to any use.

## SIKA CORPORATION • ROOFING & WATERPROOFING

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