

KÖSTER

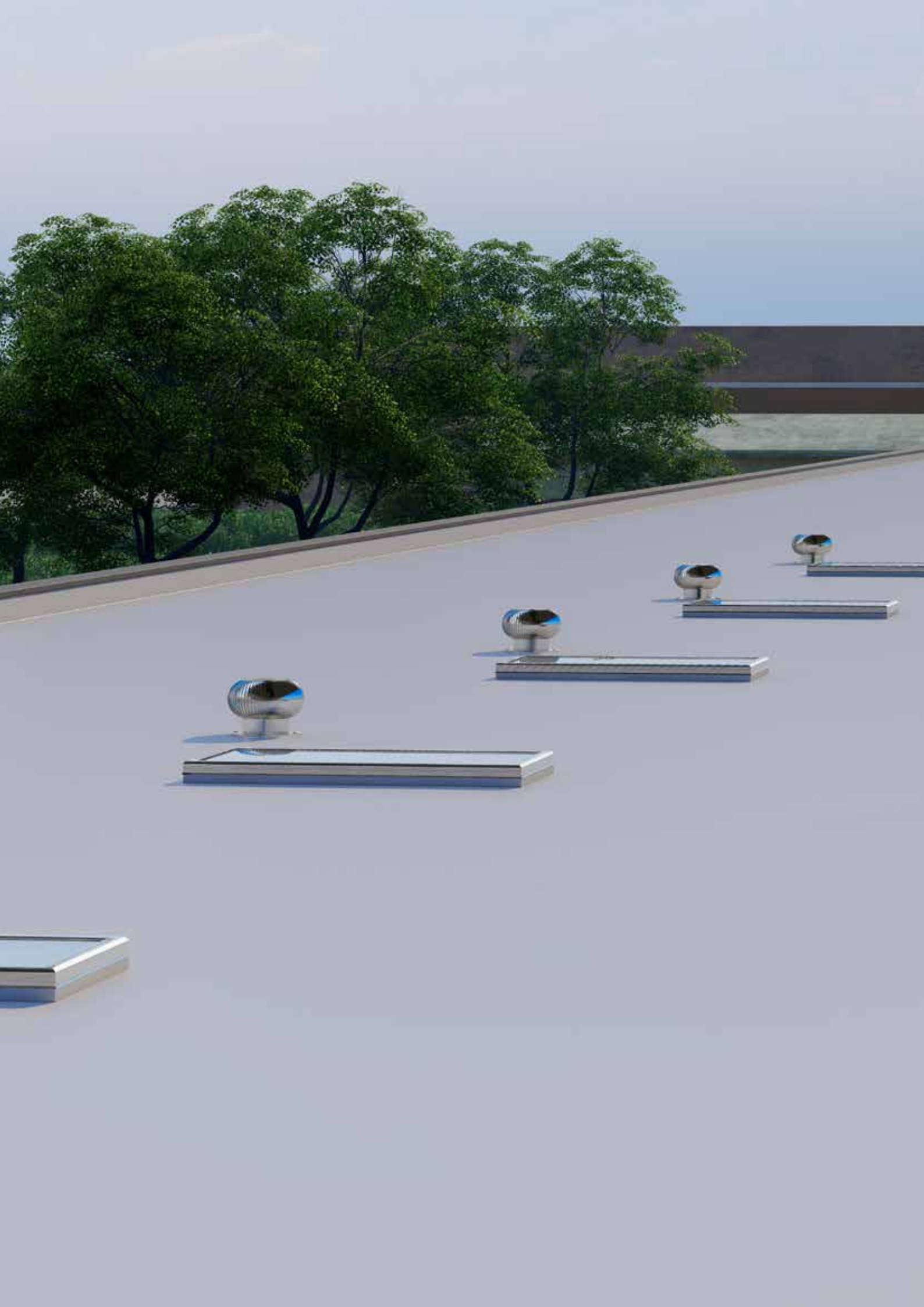
KÖSTER MS-Flexfolie

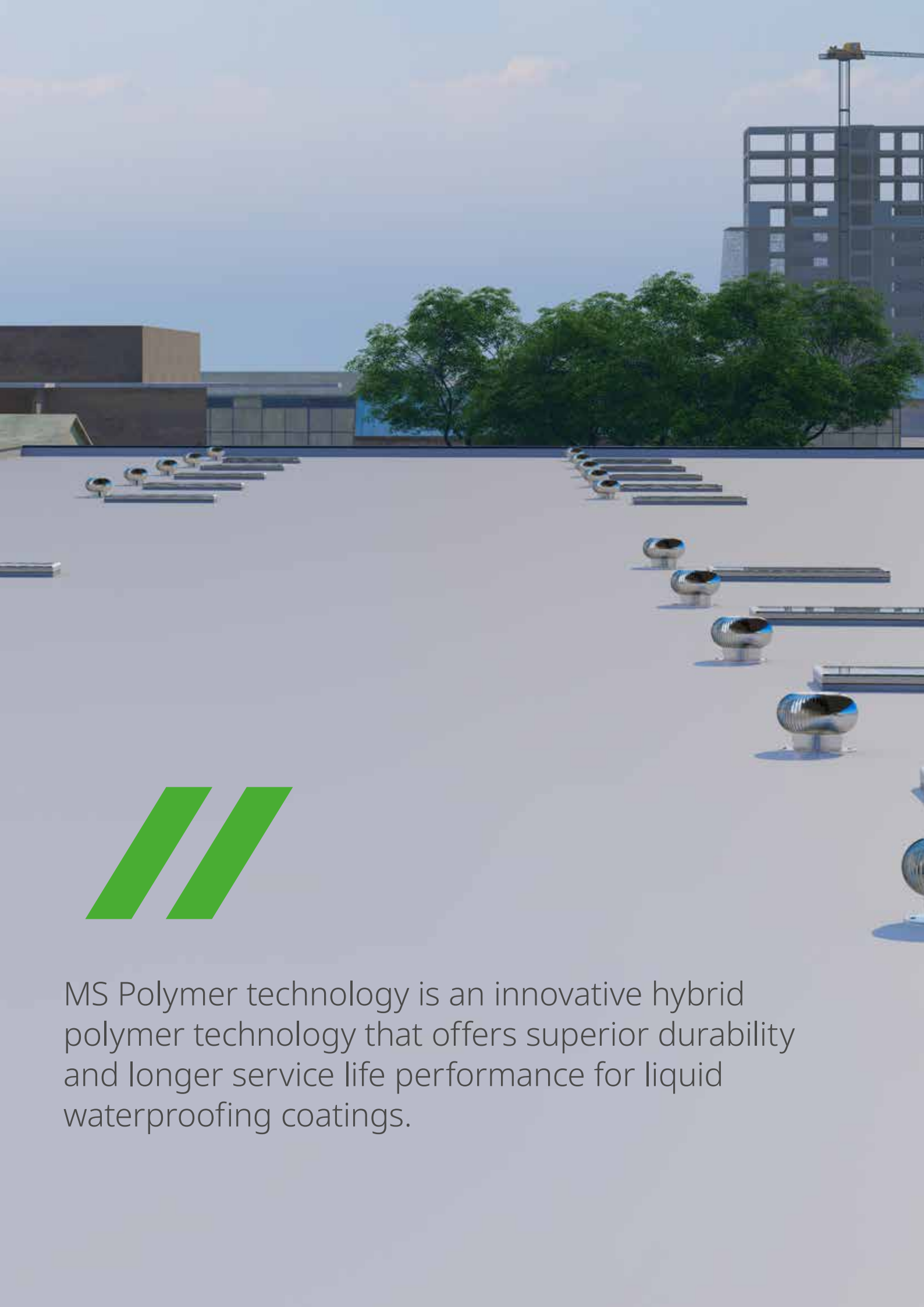
Issued: 06/2021

**MS Polymer
Technology**



Single component, solvent free, highly elastic,
highly UV-resistant, crack bridging waterproofing



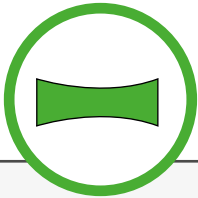


MS Polymer technology is an innovative hybrid polymer technology that offers superior durability and longer service life performance for liquid waterproofing coatings.



KÖSTER MS-Flexfolie is characterized by excellent adhesion to a wide variety of building materials and can be applied on dry or slightly moist substrates.

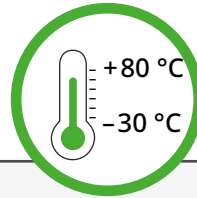
Advantages



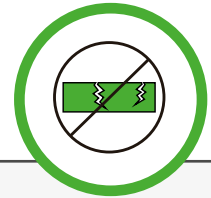
Very high elasticity > 500 %



Worker and work-
place safe, does not
produce toxic fumes



Temperature
resistance
- 30 °C to + 80 °C



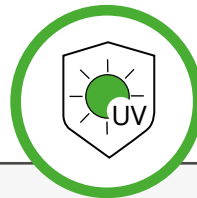
No cracking due to
shrinkage process
during curing



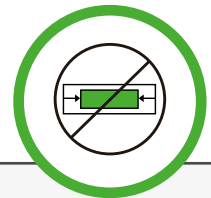
Resistant to
hydrolysis, salts
and frost



Resistant to oils,
seawater, detergents
and several chemicals



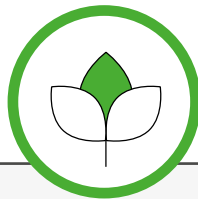
Excellent UV
resistance



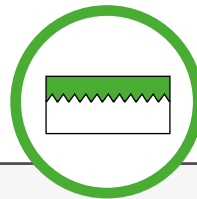
No shrinkage due
to solvent escape
during curing



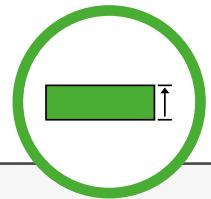
No Solvents /
No Isocyanates



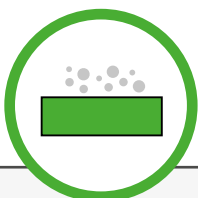
Eco-friendly
product



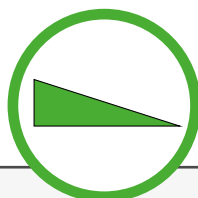
Adhesion to
multiple substrates



Allows higher
thicknesses than
solvent coats



Does not foam at
contact with
residual moisture
on the surface



Thixotropic
consistency for slope
and vertical areas



Elastic at negative
temperatures



Free of PVC, Silicone
and Detergents



KÖSTER pushes the boundaries
of waterproofing performance
with this very special product.



Comparison performance with PU and Acrylic

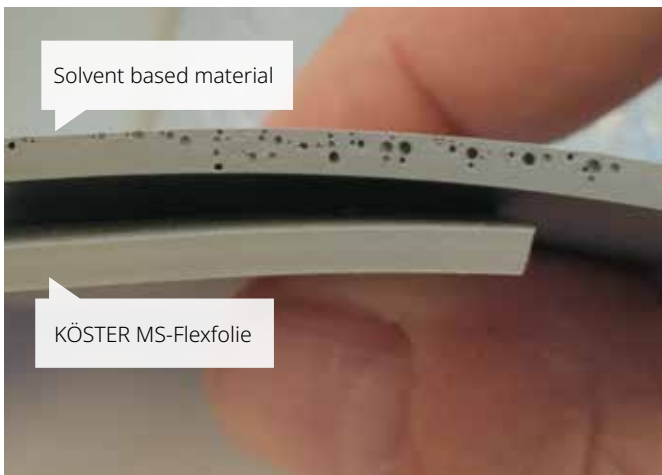
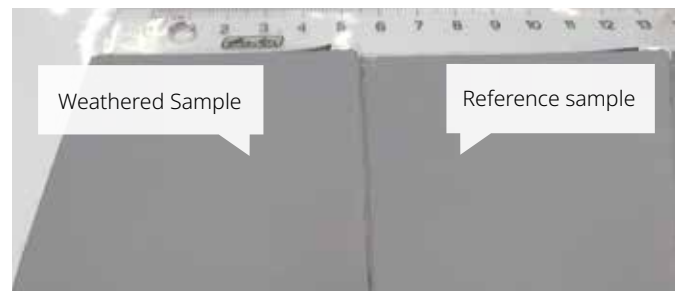
Property	KÖSTER MS-Flexfolie	Polyurethane*	Acrylic
Environmental friendliness	++	-	++
UV resistance	++	-	+
Weathering resistance	++	+	+
Discoloration resistance	++	-	-
Elasticity	++	+	-
Durability	++	+	-
Non-bubbling	+	-	+
Adhesion to different substrates	++	-	++
Extreme temperatures application	++	++	-
Elasticity at negative temperatures	++	+	-
Mechanical properties / stability	+	++	+
Heat resistance	++	++	-
Safe for humans, plants and transport	++	-	++

++ High / + Medium / - Low

* Aromatic solvent based PU

Tested very high UV and moisture resistance

Even weathered 10 x the standard ASTM 154G
KÖSTER MS-Flexfolie does not show any degradation
that negatively affects its performance in any way.



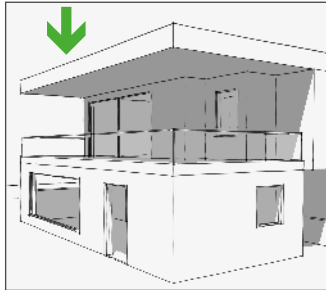
// KÖSTER MS-Flexfolie vs solvent based material applied on the same moisture content substrate



KÖSTER MS-Flexfolie:
Fast, flexible, reliable, seamless and UV-stable

Fields of Application

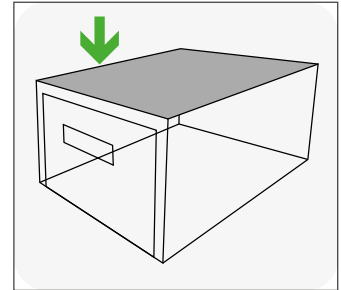
Concrete flat roofs and roof terraces



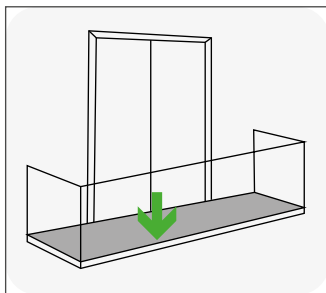
Wet and damp rooms (e.g. bathrooms)



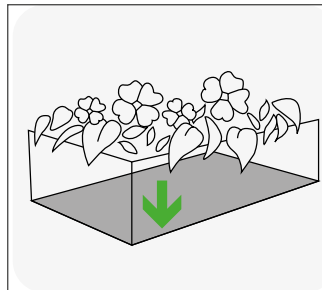
Garage roofs



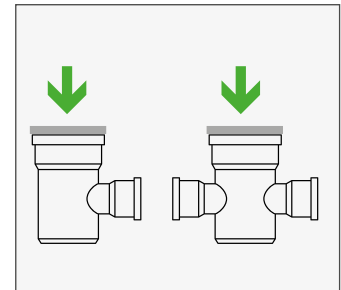
Balconies and terraces



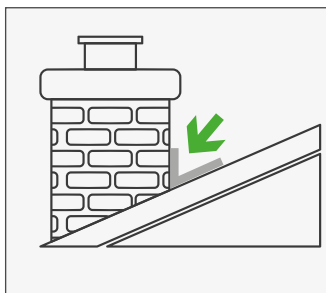
Flowerbeds and planter boxes



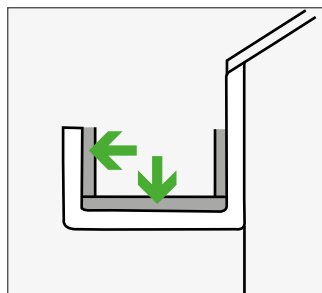
Connections, pipes and feedthroughs



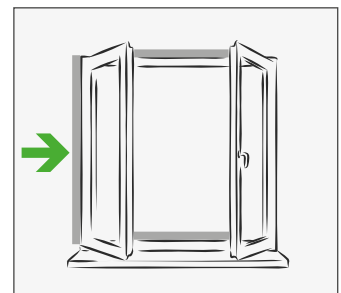
Chimney connections and roof lights



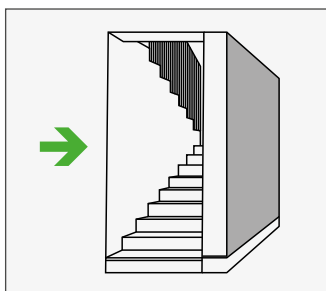
Gutter, edge and corner details



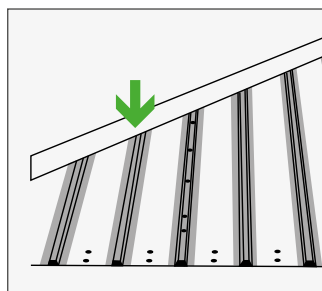
Connections in door and window frames



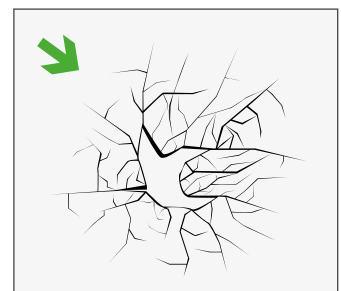
vertical areas (masonry and concrete basement walls)



Sealing of joints between metal roof panels



Repair of old metal roofs and waterproofing membranes



Application examples and details

Joints between aluminum sheets



Joints between panels



Easy to apply –
even the most complex details...

Pipe, cable and other roof feed-through and penetrations



Wall-Floor junctions/ joints between materials



Connection to TPO



Gutters and water channels



Bolts and small details





Perfect packaging suits all needs

Our 25 kg pails for big projects and our 8 kg (2 x 4 kg alu pouches inside) for details



Accessory products



KÖSTER Repair Mortar
Special mortar for mineral
substrate repairs & fillings



KÖSTER Superfleece
Polyester non-woven
reinforced fleece



KÖSTER TPO Primer
Solvent base primer for
KÖSTER TPO membranes



KÖSTER CT 121
Epoxy primer for mineral
substrates



KÖSTER KB-Pox 002
Epoxy primer for mineral
substrates

(For specific markets)



KÖSTER PU Primer 120
PU primer for
PVC substrates

Application tools

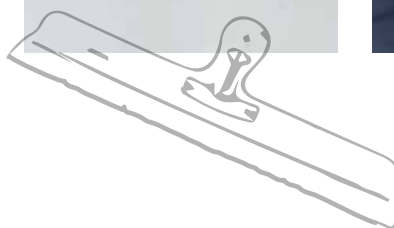
Brush



Trowel



Roller





The key is to understand the complex problems on site and to offer a simple solution.

Certificates

- CE Marking acc. EN 1504-2: 2008-04 Products and systems for the protection and repair of concrete structures
- MPA Braunschweig, Fire Behavior acc. DIN EN ISO 11925-2:2011-02
- Accelerated cyclical weathering acc. ASTM G154
- ERA Classification of Reaction to Fire in acc. EN 13501-1:2007+A1:2009
- MPA Braunschweig, Usability of the liquid polymer for waterproofing in contact with soil against water pressure.
- MPA Braunschweig, Usability of the liquid polymer for waterproofing construction elements
- Tested and approved against root penetration
- Product Declaration of Performance



KÖSTER MS-Flexfolie

KÖSTER

CE

8 kg



We are there for you – worldwide.

// Contact us

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Waterproofing Systems

