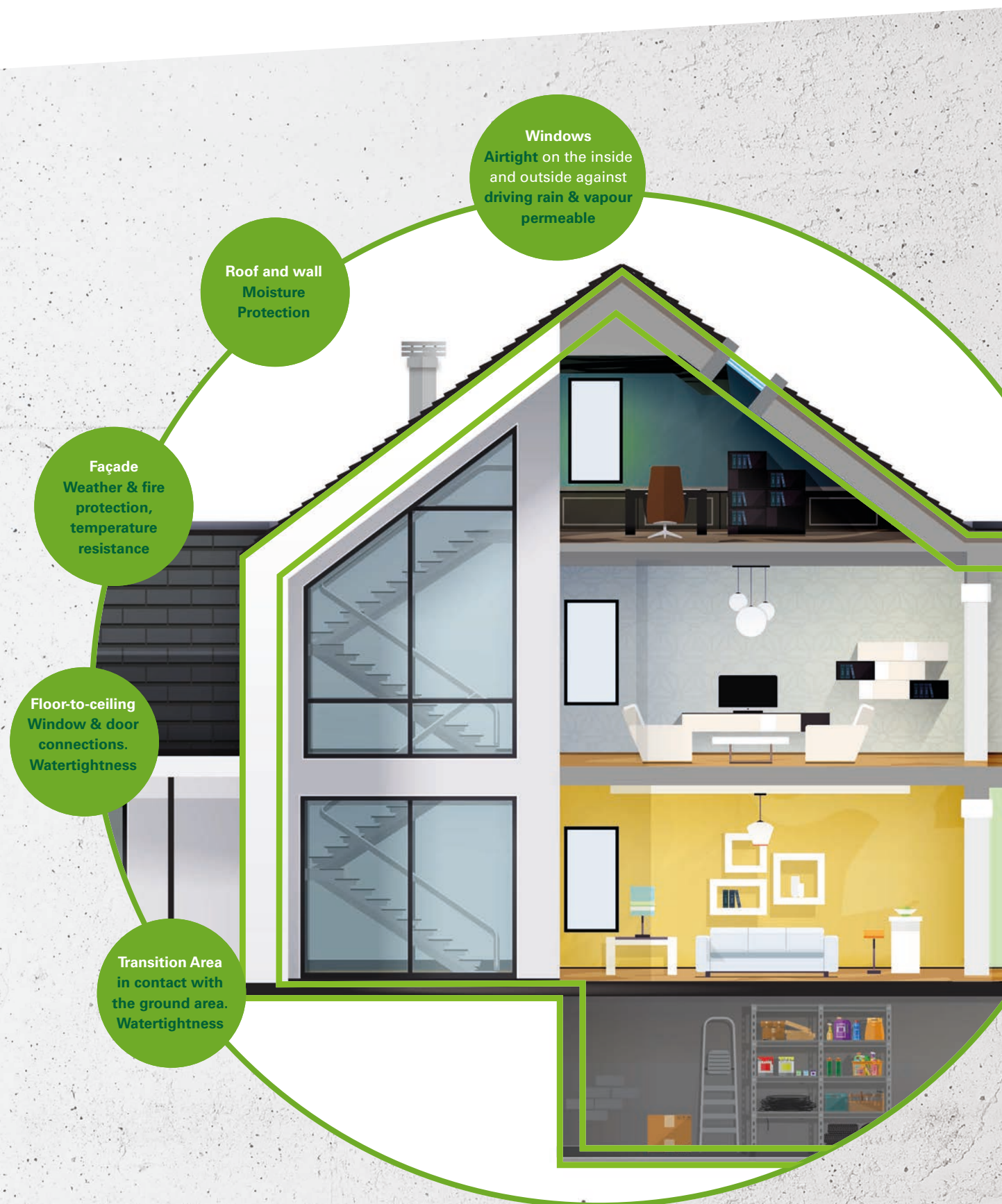


**RANGE OF MEMBRANES
FOR WINDOWS, DOORS
AND FACADES**



Are you and your clients looking for solutions to enable secure and cost-effective sealing of the building envelope? We will provide you with comprehensive support throughout every stage of your project. We know how important it is to find the best solution that offers the highest level of security and exceeds your project requirements.



illbruck offers a comprehensive product portfolio that is tailored to the relevant legal requirements, structural conditions and the requirements of your clients. This includes the comprehensive range of membranes with various properties for facades, windows, internal walls and roofs:

Airtight

Weather protection

Protection against moisture

Fire protection

Heat resistance

Watertightness

Airtight

The 2024 Building Energy Act (Gebäudeenergie-Gesetz 2024) stipulates that the building envelope must be permanently sealed in an airtight manner (DIN 4108-2 and DIN 4108-3). The position of the airtight layer should be shown as a red line in the construction drawings and should be implemented accordingly by the technical crews carrying out the construction.

Weather protection

The building envelope and therefore also the facade and windows, including their joints, must protect the building against wind, rain and UV-radiation over the long term. The building may need to comply with certain values depending on the situation.

Protection against moisture

The building fabric and heat insulation in the building structure must be protected against the ingress of moisture and associated increases in indoor humidity to ensure that they can retain their structural and insulating functions.

Fire protection

Fire protection is becoming an increasingly important issue and this is reflected through stricter requirements in the relevant building regulations of the federal states (Landesbauordnungen) and also in the special building regulations (Sonderbauvorschriften) – from flame retardant to non-combustible. Therefore, the sealing of the building envelope must also meet the relevant requirements.

Heat resistance

Due to increasing temperatures, greater temperature fluctuations and the use of photovoltaic and solar installations, the products used in the building envelope must offer an increased level of temperature resistance.

Watertightness

When planning the external seals in the area with ground contact, the influence of standing and pressing water in the plinth area should be considered. There are four water impacts according to DIN 18533 that should be taken into consideration.

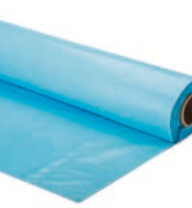


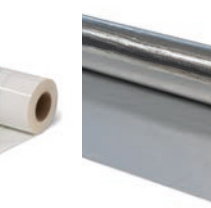
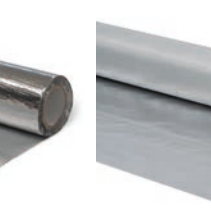
The range of illbruck membranes

In recent years, the Product Development team atTremco CPG has been continuously developing the range of membranes that are used to seal the building envelope and has expanded the production of the various membranes in the range.







Window Membranes							
							
	ME320 INTERIOR MEMBRANE	ME321 EXTERIOR MEMBRANE	ME350 INTERIOR MEMBRANE PRO	ME351 EXTERIOR MEMBRANE PRO	ME007 WINDOW MEMBRANE B	ME020 WINDOW MEMBRANE B, SA	ME015 WINDOW MEMBRANE A2
Description	Self-adhesive fleece membrane	Self-adhesive fleece membrane	Self-adhesive fleece membrane	Self-adhesive fleece membrane	Flame retardant fleece membrane with additional sealant	Flame retardant fleece membrane fully self-adhesive	Non-combustible fleece membrane with additional sealant
Application	Window / Door inside	Window / Door outside	Window / Door inside	Window / Door outside	Window / Door Facade, outside	Window / Door Facade, outside	Window / Door Facade, outside
Watertightness		600 Pa		600 Pa	1.200 Pa	600 Pa	1.200 Pa
UV performance	2 month	3 month		3 month	permanent	permanent	permanent
Sd-value	> 10 m	< 0,5 m	17 m	2 m	0,08 m	0,2 m	0,2 m
Reaction to fire	class E	class E	class E	class E	class B-s2,d0	class B-s1,d0	class A2-s1,d0

Facade Membranes							
							
	ME009 FACADE MEMBRANE XL	ME011 FACADE MEMBRANE UV	ME013 FACADE MEMBRANE B	ME024 FACADE MEMBRANE B, SA	ME050 FACADE MEMBRANE A2	ME017 FACADE MEMBRANE A2 black	ME055 FACADE MEMBRANE A1
Description	Light facade membrane with 3.2m width	Black facade membrane for open facades	Black facade membrane fire-retardant	Black facade membrane fire-retardant and self-adhesive	Non-flammable facade membrane aluminium-coated	Glasfiber-mesh as non-combustible facade membrane	Non-flammable facade membrane PU-coated
Application	Facade	Facade	Facade	Facade	Roof & Facade	Roof & Facade	Roof & Facade
Watertightness	600 Pa	600 Pa	W1, 600 Pa	W1, 600 Pa	W1, 600 Pa	W2	W1, 600 Pa
UV-performance	9 months	permanent behind open facade	permanent behind open facade	permanent behind open facade	9 months		permanent behind open facade
Sd value	0.02m	0.15m	0.02m	0.02m	0.08m	0.08m	0.08m
Reaction to fire	Class E	Class E	B-s1,d0	B-s1,d1	A2,s1-d0	A1	A2,s1-d0
Dimension	3.2m x 50m	1.5m x 50m	1.5m x 50m	1.5m x 50m	1.2m x 35m	1.5m x 50m	1.5m x 50m

Window Membranes				
				
ME500 i-MEMBRANE	ME505 i-MEMBRANE BASIC	ME504 i-MEMBRANE ILLBRUCK	ME508 i-MEMBRANE PRO	ME501 i-MEMBRANE PRO XTREME
Fleece membrane with additional sealant	Self-adhesive fleece membrane with variable sd value	Self-adhesive fleece membrane with variable sd value	Self-adhesive fleece membrane with variable sd value	Self-adhesive fleece membrane with variable sd value
Window / Door inside & outside	Window / Door inside & outside	Window / Door inside & outside	Window / Door inside & outside	Window / Door inside & outside
600 Pa	600 Pa	600 Pa	1.050 Pa	1.200 Pa
4 month	6 month	6 month	9 month	12 months
variable, 0.2m – 3.5m	variable, 0.4m – 5.5m	variable, 0.4m – 5.5m	variable, 0.4m – 5.5m	variable, 0.4m – 5.5m
class E	class E	class E	class E	class E

Vapour Membranes				
				
ME003 VAPOUR MEMBRANE 100	ME004 VAPOUR i-MEMBRANE	ME008 MODULAR CONSTRUCTION MEMBRANE	ME006 VAPOUR MEMBRANE B	ME060 VAPOUR MEMBRANE A2
PE Vapour Barrier	Vapour Control Layer with variable SD value	Self-adhesive Membrane for weather and transport protection of building elements	Flame retardant Vapour Barrier aluminium coated	Non-flammable Vapour Barrier with aluminium coated glasfibre
wall & roof, inside	wall & roof, inside	wall & roof, inside & outside	wall & roof, inside	wall & roof, inside
4 months	12 months	4 months	6 months	9 months
107 m	Variable, 0.4m – 8m	3.5 m	> 1500m	> 2000m
class E	class E	class E	B-s1,d0	A2-s1,d0
1.5m - 4.0m x 50m	1.5m x 50m	0.3m, 0.75m, 1.5m	1.5m x 50m	1.2m x 50m

Special Membranes				
				
ME402 BUTYL MEMBRANE ALU	ME404 BUTYL MEMBRANE FLEECE	ME220 MEMBRANE EPDM	ME110 MEMBRANE BITUMEN	ME324 INTERIOR MEMBRANE 1500
Aluminium layer with butyl self-adhesive	Fleece layer with butyl self-adhesive	EPDM Membrane with & without self-adhesive	HDPE Membrane with Bitumen adhesive	Aluminium-coated fleece layer with self-adhesive
joint sealing Inside & outside	joint sealing Inside & outside	Window / Facade outside	Facade joints outside	Window / Door inside
W1	W1	W1	W1	
10 years	12 months	24 months	6 months	-
1500m	1200m	45m	> 250m	1500m
Class E	Class E	Class E	Class E	Class E

Adhesive Tapes					
					
ME317 ADHESIVE TAPE POWER PAPER	ME316 ADHESIVE TAPE FLEECE	ME315 ADHESIVE TAPE FOIL	ME355 ADHESIVE TAPE A2	ME356 ADHESIVE TAPE A1	ME357 ADHESIVE TAPE A2 BLACK
Adhesive tape for internal membrane joints and overlaps	Adhesive tape for internal & external membrane joints and overlaps	Adhesive tape for internal & external membrane joints and overlaps	Adhesive tape for internal & external membrane joints and overlaps of class B and class A2 membranes	Adhesive tape for internal & external membrane joints and overlaps of class A1 membranes	Adhesive tape for internal & external membrane joints and overlaps of class B and class A2 membranes
window, wall, roof inside	window, wall, roof inside & outside	window, wall, roof inside & outside	roof and façade inside & outside	roof and façade inside & outside	roof and façade inside & outside
-	600 Pa	600 Pa	W1	W1	W1
-	9 months	12 months	9 months	9 months	9 months
10m	0.5m	20m	> 1500m	> 1500m	> 1500m
class E	class E	class E	A2-s1,d0 with A2 Membrane	A1 with A1 Membrane	A2-s1,d0 with A2 Membrane