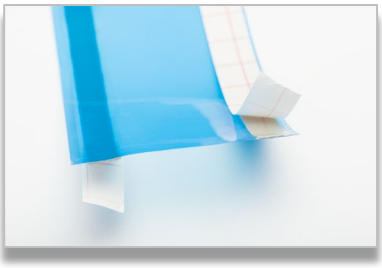
KISO 508 LINING BARRIER

KISO 508 LINING BARRIER is a diffusion tight membrane consisting of LDPE film with butyl and/or tape which is used for inner sealing in buildings when installing windows and doors.

An easy and reliable solution, which meets the requirements for vapour barrier under BR2020*
KISO 508 LINING BARRIER provides a moisture and vapour proof solution within the construction and reduces the risk of formation of mould.

KISO 508 LINING BARRIER ensures an easy and safe installation of vapour barriers around the windows. The product is supplied according to your requirements, so that it matches each application: KISO 508 LINING BARRIER is supplied as a membrane with butyl and/or tape either on the same side or on reverse sides. The butyl ensures strong adhesion to concrete, wood, metal and glass, while KISO 508 LINING BARRIER with two strips of double-sided tape, is suitable for mounting on a new or existing vapour barrier. KISO 508 LINING BARRIER meets the requirements for vapour barriers under BR2020 and may be used in new constructions.



KISO 508 LINING BARRIER with two strips of butyl

KISO 508 LINING BARRIER with tape and butyl

Advantages

- Meets requirements for vapour barriers under BR2020 (Maximum 0.5 litre/sec/m^2)
- KISO 508 LINING BARRIER is supplied with butyl and/or tape for simple application
- 0.2 mm LDPE film with a high tensile strength Giving tear resistance
- Strong adhesion to concrete, wood, metal and glass
- The butyl is non hardening – remains flexible throughout service life
- Highly adhesive
- Simple, quick and safe mounting
- Can be used with KISO 513 DIFF-OPEN for a complete solution for inner and outer sealing

**Danish Building regulation requirements as of year 2020 – Maximum 0.5 litre/sec/m^2*

KISO Climate Screen

TECHNICAL DATA

KISO 508 LINING BARRIER is supplied with blue film with black, white, grey or blue butyl and/or tape. The product is offered in various dimensions.

Technical Data - Butyl: KISO 458 BUTYL

	Unit	Nominal Value	Test Method
Compression 50%	kN/m^2	120	KISO 5
Peel Adhesion 90°	N/cm	5	KISO 16
Strain Peak Force, F_{max}	kN/m^2	45	KISO 5
Density	g/cm^3	1.60	KISO 2
Service Temperature Range*	°C	-30 / +90	KISO 28

KISO - KISO Test Method | *Depending on application

Technical Data - Tape

	Unit	Nominal Value	Test Method
Thickness	micron	223	TATM
Adhesion (180° peel), Stainless Steel – 24 hrs.	N/m	2,300	TATM
Service Temperature Range	°C	-40 - +80 (+95 short term)	
Shear Resistance – static (1,000g/25x25 mm)	Min.	6,000	TATM

TATM – Test method According to Tape Manufacturer

Technical Features – P-marked LDPE Film*

	Unit	Nominal Value	Test Method
Grammage	g/m^2	180	
Thickness	µm	200	
Tensile strength, MD	MPa	>23	EN 527-3
Tensile strength, TD	MPa	>23	EN 527-3
Elongation at break, MD	%	>600	EN 527-3
Elongation at break, TD	%	>600	EN 527-3
Resistance to tearing MD	N	>60	EN 12310-1
(Nail shank) TD	N	>60	EN 12310-1
Dart Drop	g/50%	>250	ASTM D-1709 B
Water Vapour Transmission	s_d – value	>80	EN 1931

* Foil is certified according to requirements of SITAC (Swedish Institute for Technical Approval in Construction) with P-mark certificate number 3189/90
The foil fulfils the requirements of SINTEF certification TG-20201
The product is CE-marked in compliance with EN 13984

Important when applying KISO 508 LINING BARRIER

- The surface MUST be thoroughly cleaned before mounting. Propan-2-ol is recommended for cleaning of smooth surfaces
- Adhesion is best on primed surfaces
- Test on an inconspicuous area prior to usage on other surfaces/materials

Note:

The Technical Data above are based on laboratory tests performed at KISO. The Technical Features are to be regarded as target values. Properties quoted are typical and does not constitute a specification nor an explicit or implicit warranty. Due to the large variability in application conditions it is advisable that the product is tested by the user to establish suitability for the intended use.