

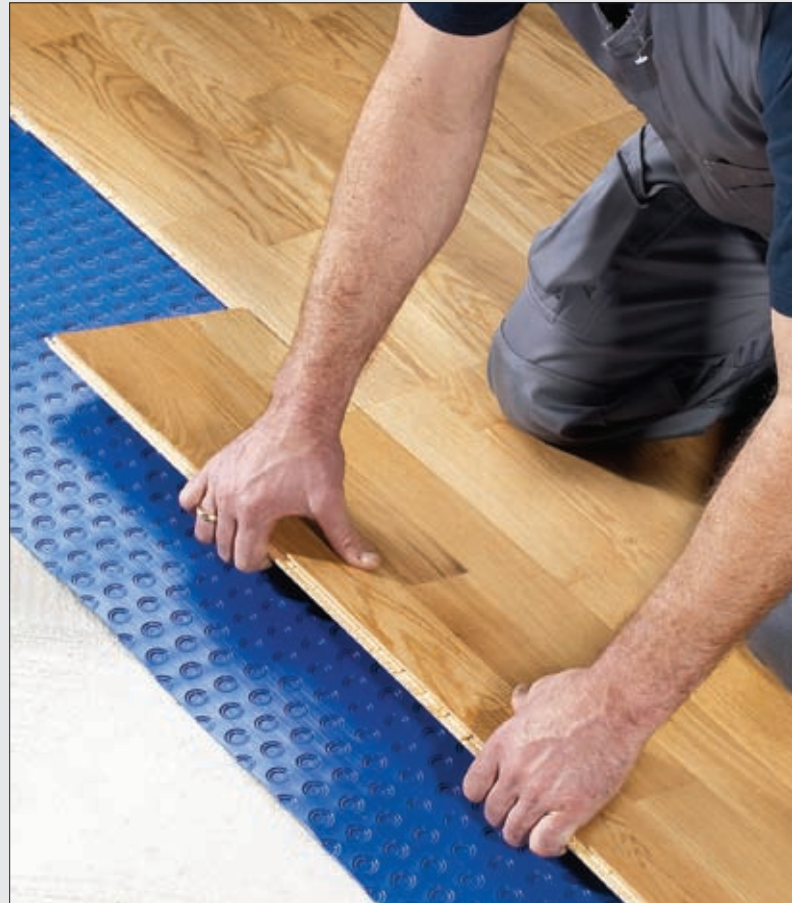
System

Platon Stop

No down time and reliable protection for wood flooring



Platon Stop Optimal for bonded floors



Platon Stop Original for floating floors

- *No delays waiting for concrete slab to dry*
- *No costly moisture measuring*
- *The innovative system for parquet and laminate flooring*

Platon Stop: A fast solution

Wood flooring installed on freshly poured concrete? No problem with *Platon Stop*!

No delays between construction phases is crucial for the scheduled completion and immediate utilisation of the building. High residual moisture in the concrete slab may



however cause setbacks or excessive waiting periods and delay the installation of wood flooring.

Platon Stop allows for an uninterrupted construction process, a direct result of both the Platon Air Gap technology and the isolation of concrete slab from wood flooring. The installation of the floor is possible within days after the concrete sub floor has been poured - a saving in time that converts into profit.

You need absolute assurance? We provide that!

With *Platon Stop* you can tread safely. Damage to floor coverings, caused by rising dampness, is a thing of the past. *Platon Stop's* 0.5 mm thick membrane offers absolutely reliable damp proofing. Right from the start *Platon Stop* provides optimal protection for both floating and bonded floors.



Looking for guaranteed quality? We deliver!

Numerous tests and studies prove the reliability and dependability of *Platon Stop*. High standard production and material quality, according to EN 13984 standard, document *Platon Stop's* quality ensure this unique performance over the floor's life span.

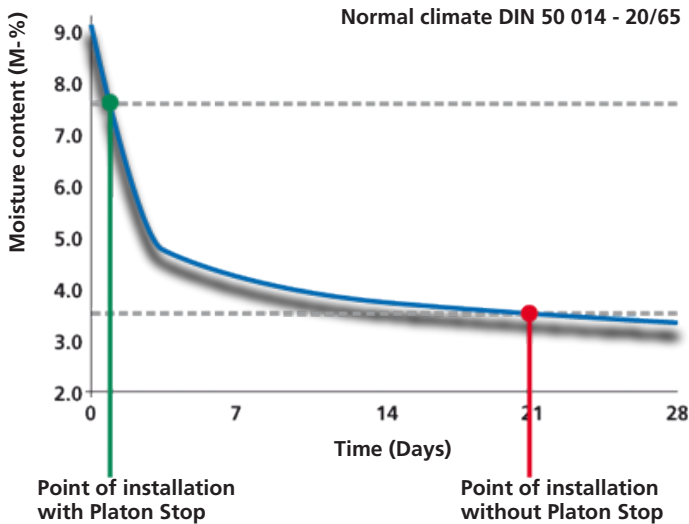


Save time, money and energy!

Place your trust in *Platon Stop*!



Preparation for wood flooring



The above graph illustrates the drying period for concrete slab (Estrich) and clearly indicates that **Platon Stop** as underlay allows for a much earlier installation of flooring.

The Platon Air Gap Technology

In Harmony with Nature

Platon Stop supports the natural drying process.

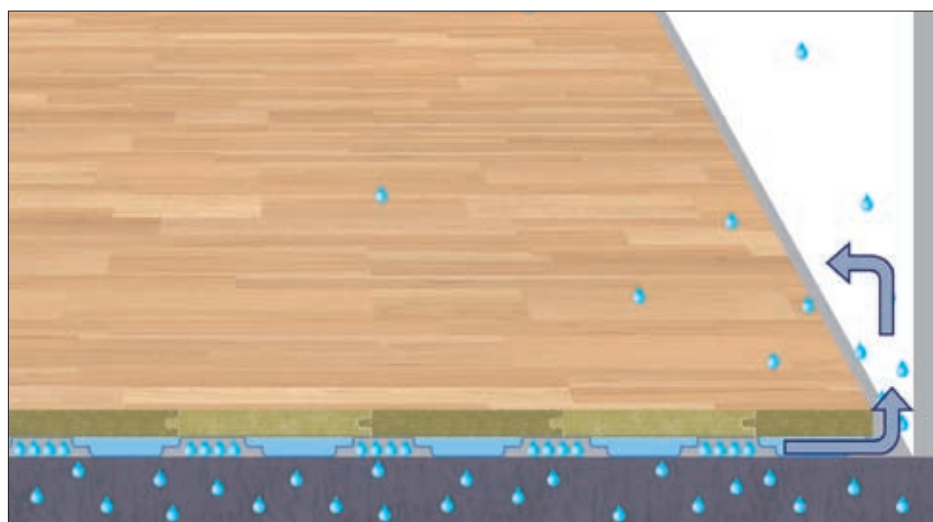
Installing the membrane studs facing down creates a thin but highly effective air gap between the concrete slab and **Platon Stop**.

Water vapour, released from the concrete, equalizes throughout this layer. Further equalisation takes place towards the room. The concentration of water vapour in the air is reduced by approx. 2000 times.

Indoor Environment Quality

Under PE underlay films, the residual moisture often promotes the build-up of mould or other harmful micro-organisms. These processes may pose considerable risks for persons with allergies.

The unique air gap technology and the outstanding barrier characteristics of **Platon Stop** ensure healthy living.



Advantages at a glance

■ Save money

- Secured deadlines during the crucial construction phase
- Long waiting periods do not apply
- No costly and excessive measuring of residual moisture

■ More Protection

- Separation of concrete slab and wood flooring
- No moisture entering floor construction
- Dependable adhesion of bonded floors through dual sided special fabric

■ More Comfort

- Impact sound reduction up to 19dB
- Forest floor effect



Platon Stop Original:



The solution for floating floors

Floating floors must be protected against damp rising from concrete slab. **Platon Stop Original** offers water vapour resistance three times higher than traditional PE-films.

A material thickness of 0.5 mm ensures that **Platon Stop Original** resilient to mechanical stresses. It provides a durable safe underlay for all wood flooring and offers life long protection for your floors.

Platon Stop Original - advantages combined in one product

Wood flooring, because of its hard surface, creates walking noise that can be transmitted throughout the entire house.

Platon Stop Original reduces impact sound by as much as 19 dB.

Low vapour permeability, good sound insulation with integrated sound absorption, exceptional stability and tear resistance - **Platon Stop Original** offers the best protection for your floors.

Size	Roll of 1 x 20 m	Water vapour resistance	300 m equivalent air layer
Raw Material	PP (Polypropylene)	Stud height (net)	2.0 mm
Sheet Thickness	0.5 mm	Construction height	2.5 mm

Exceptionally reliable

**Advantage:
2 for 1**

Not only does **Platon Stop Original** provide permanent protection against dampness. Its unique form features a high level of walking comfort and effective sound absorption.

Only Platon Stop Original offers a combination of these characteristics for underlay membranes.

**Faster
installation**

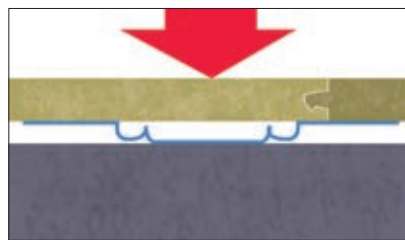
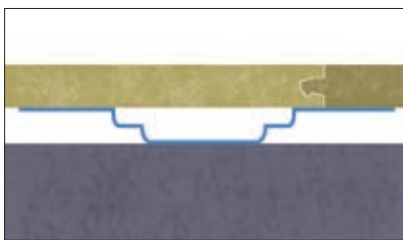
Platon Stop original can be laid already at humidity levels of 5 CM% and flooring installed immediately.

You save time and the costs of complex measuring. The room can be used immediately.

Quiet and Comfort: Platon Stop in action

The patented stud design of **Platon Stop Original** and **Platon Stop Optimal** allows the usually stiff polypropylene material space to dynamically expand and contract. The stud is compressed under weight and springs back to its original form, just like an elastic coil.

The effect is as if walking on soft forest soil; impact sound is effectively absorbed.



Floor Heating

When it comes to floor heating, **Platon Stop** is the product to choose. Outstanding moisture barrier characteristics of **Platon Stop** provide protection for your wood floors. High thermal conductivity provides both a comfortable room temperature and the effective use of the heating system.

Platon Stop allows the installation of conventional warm water, low voltage, or even some high voltage heating systems.

Installation of floor heating



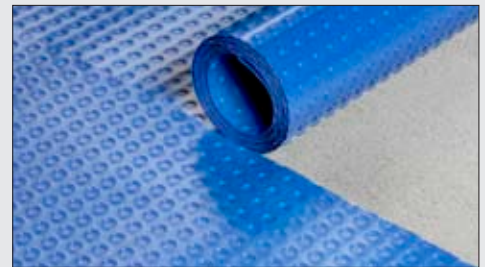
1. Concrete slab
2. **Platon Stop**
3. Kraft paper
4. Low voltage heating system
5. Kraft paper
6. Wood or laminate flooring

Details

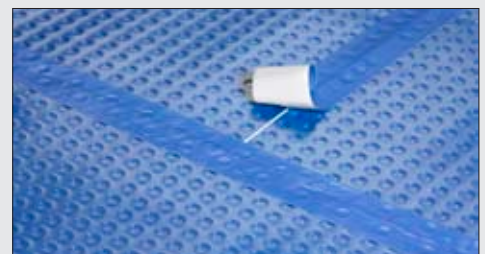


1. Concrete slab
2. **Platon Stop Original**
3. Parquet or laminate flooring

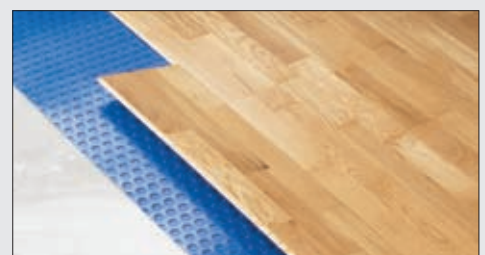
Installation



Roll out membrane, studs facing down. Roll out next length and place it edge-to-edge against the adjoining length of membrane.



Join connecting edges and details with 75 mm **Platon Stop Tape**.



Lay parquet or laminate flooring floating on top of **Platon Stop Original**

Platon Stop Optimal:



The solution for bonded parquet

Platon Stop Optimal has been specially designed for multi-layer bonded parquet flooring. It combines the characteristics of a damp proof underlay and the unique air gap technology.

The high strength studded membrane is laminated with a special fabric. **Platon Stop Optimal**, used with Platon MS Flex Adhesive, ensures a secure bond and permanent connection between concrete slab and parquet.



Fast and effective!

Platon Stop Optimal saves you time and energy. But there is more: your profit margin increases since rooms can be used much sooner.

As client your waiting time for project completion is reduced. Commercial property can be rented out sooner, rental profit margins increase.

Permanently damp proof

Platon Stop Optimal protects your valuable investments for years to come. Protecting the wood flooring safeguards the owner's investment and protects the installer from consumer complaints.

Size	Roll of 1 x 20 m	Water vapour resistance	300 m equivalent air layer
Raw Material	PP (Polypropylene)	Stud height (net)	2.0 mm
Sheet Thickness	0.5 mm	Construction height	3.0 mm

The best for your flooring

**Saving
Time**

Within days **Platon Stop Optimal** can be directly installed on freshly poured concrete at max. 5 CM%. The vapour proof material effectively protects parquet from subfloor moisture. **No long waiting times. No complex monitoring. Uninterrupted construction process.**

**Permanent
Protection**

Extremely low permeability offers a permanent healthy living climate and protects the installer from inconvenient and costly consumer complaints. **Platon Stop Optimal - the best protection for bonded parquet against subfloor dampness.**

Easy and fast installation

Platon Stop Optimal is bonded, studs down, directly to the concrete slab. Platon Stop Tape securely seals joints and details, providing a vapour proof barrier.

The parquet is laid as a continuous process after laying **Platon Stop Optimal** and is well protected from dampness.

Suitable for floor heating

Platon Stop Optimal is suitable for heated flooring. High thermal conductivity ensures a comfortable room temperature and effective use of the heating system.

Increased comfort, decreased impact sound

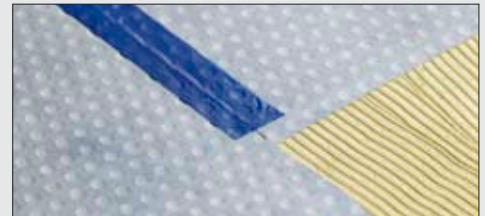
Platon Stop Optimal, used with the polymer-based Platon MS Flex adhesive, reduces impact noise. Flexible studs increase the walking comfort, cushioning the human body.

Two additional strong arguments in favour of *Platon Stop Optimal*!



1. Spread Platon MS Flex Adhesive across surface, using a B 15 notched trowel for liquid adhesives.

2. Cut **Platon Stop Optimal** to required length and press underside firmly into the adhesive.



3. **Platon Stop Optimal** is installed edge to edge.



4. Seal joints and details with 75 mm Platon Stop Tape. The textured upper surface of Platon Stop Tape ensures a secure bond of the Platon MS Flex adhesive when the parquet is installed.



Parquet may be immediately installed after **Platon Stop Optimal** has been laid. Platon MS Flex adhesive for parquet is spread over the entire surface of **Platon Stop Optimal**. Note the open time for Platon MS Flex Adhesive and use a notched B 15 trowel.



Technical Data

Characteristic	<i>Platon Stop Original</i>	<i>Platon Stop Optimal</i>
Point loading	Max. deformation less than 2mm, but dependent on parquet (or other flooring), type and thickness	
Impact Sound (ISO 717-2)	15 to 19 dB, dependent on parquet (or other flooring), type and thickness	
Cushioning effect (DIN 18032-2)	20%	18%
Floor heating	Thermal conductivity greater than 0.15 W/mK More than 1°C higher surface temperature than for film and foam	
Product construction	One layer PP sheet	PP sheet with PP non-woven on each side
Product height	2.5 mm	3.0 mm
Colour	Blue	White (non-woven)
Unit weight (product)	450 g/m ²	590 g/m ²
Stud height	2 mm	
Material thickness (sheet)	Nominal 0.5 mm	
Water vapour resistance	300 m equivalent air layer	
Raw materials	Polypropylene	
Roll size	1 x 20 m	
Tape roll	75 mm x 25 m (included with the product)	
MS Flex parquet adhesive	–	16 kg can

Isola as

N-3945 Porsgrunn

Tlf.: +47 35 57 57 00, Fax: +47 35 55 48 44

 E-mail: isola@isola.no www.isola.com

Dry and healthy buildings