

PUR Base WPM

Waterproofing in a composite construction? We get it done!

Product solutions




remmers

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THE NEW AIV N STANDARD IS HERE!

PUR Base WPM

Composite waterproofing under coatings
and wearing surfaces



THE BENEFITS AT A GLANCE

- ✓ National Test Certificate AIV - F / - N
- ✓ Application classes A / B / C
- ✓ Water impact classes W2-I, W3-I as per DIN 18534-1
- ✓ Crack bridging class A3 (DIN 1062-7)
- ✓ Water pressure-tight up to 25 m
- ✓ Self-levelling
- ✓ No fabric reinforcement needed
- ✓ Gap-free, anti-slip surface

Composite waterproofing: a rising star

The method of installing waterproofing as a composite structure with tiles and slabs has become increasingly popular in recent decades, and with good reason. First introduced in 1987, this method has established itself as a commonly used and highly durable waterproofing system that is backed up by real-life practice as well as regulatory frameworks.

Waterproofing systems are governed by the DIN 1853x series of standards. DIN 18195 "Waterproofing of buildings", in parts 1-10 and supplement 1, was valid until 2017 and has since been withdrawn.

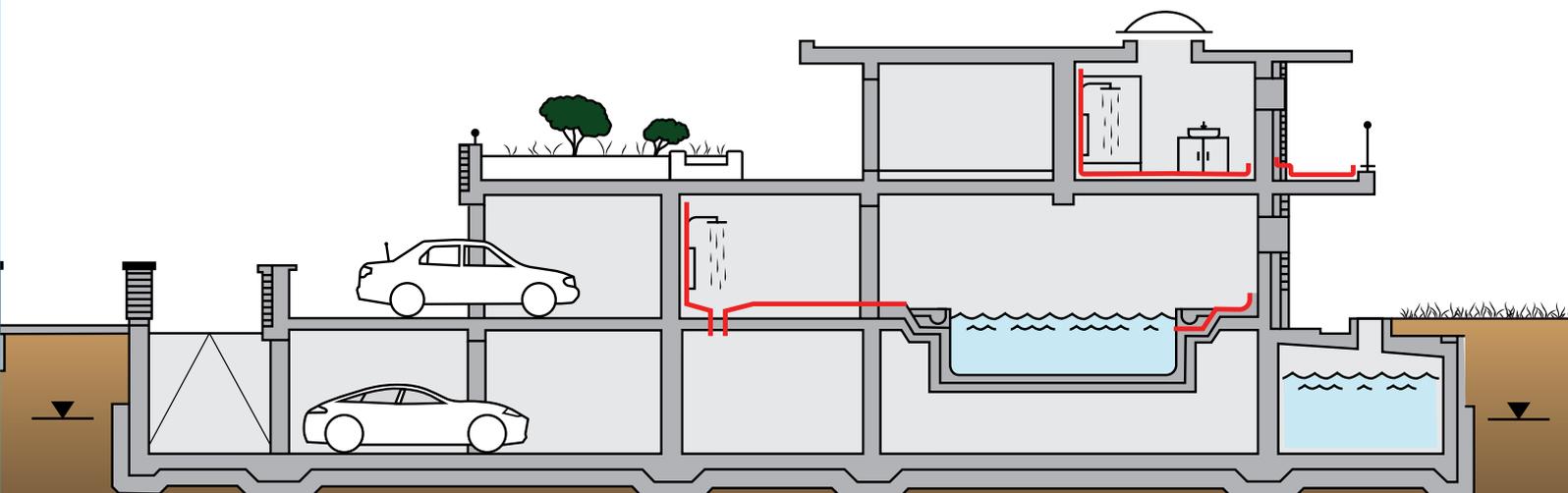
DIN 18534 governs the planning, execution and maintenance of waterproofing on interior floors and walls with sheeting and liquid-applied waterproofing materials with a planned backwater height of up to 10 cm.

Example applications include surfaces exposed to service and cleaning water such as bathrooms, commercial kitchens, swimming pool surrounds, shower facilities, production and commercial areas as well as floor surfaces with drainage. The requirements are divided into different water exposure classes W0-I to W3-I in line with the different types of stress in the various areas of application.

Conformity with the standard is verified in accordance with the testing principles of the German Institute for Building Technology (DIBt) and confirmed with a National Test Certificate (AbP). Due to the lack of testing principles from the DIBt, waterproofing with liquid-applied materials has so far only been standardised in combination with tiles or slabs (AIV - F) in DIN 18534.

Other wearing layers, such as elastic floor coverings, reactive resin coatings, plasters/screeds and wall and floor panels (e.g. mineral materials, composite panels, etc.) were not previously covered by DIN 18534.

In order to close this regulatory gap and finally ensure planning security, in 2021 the DIBt developed supplementary test principles for wearing layers (AIV - N) and transferred them into building law in late 2023 as part of MVV TB 1/2023, so that National Test Certificates for liquid-applied waterproofing materials in combination with wearing layers (AIV - N) can now be issued on the basis of the corresponding state-specific administrative regulations. AIV - N is to be incorporated into DIN 18534 as part of the planned revision of the series of standards.



Layer structure WP Floor 2230 system



- | | | |
|---|---------------------|--------------------------------|
| ① | Primer: | Epoxy MT 100 |
| ② | Waterproofing: | PUR Base WPM |
| ③ | Blinding layer: | Epoxy ST 100 + Selectmix 01/03 |
| ④ | Scattered material: | Ceramix 07 |
| ⑤ | Topcoat: | Epoxy BH 100 |

Application – incorporating detailed solutions for wall/floor connections



① BONDING LAYER

For optimum embedding of the subsequent joint tapes, a bonding layer of Epoxy MT 100 and the thixotropic agent WHG TX is applied to the primer.



② INCORPORATING THE TAPE VF JOINT TAPES

The joint tapes are then embedded in the bonding layer. The specially developed Tape VF 100 IC is ideal for internal corners.



③ INCORPORATING THE TAPE VF JOINT TAPES

For secure waterproofing of external corners, we recommend using Tape VF 75 EC, which is specially designed for external corners. Tape VF 120 is embedded along the joints.



④ FIXING THE JOINT TAPES

Finally, all joint tapes are fixed in place with a layer of Epoxy MT 100 and the thixotropic agent WHG TX. The floor/wall connections have now been completed in the composite waterproofing system.

LOAD CLASSES

Tested safety on every terrain



Load class A

Walls and floors subjected to direct loads in rooms, and exterior walls and floors that are connected to buildings, in which service and cleaning water is used very frequently or for long periods, e.g. common areas of swimming pools and shower facilities (public or private). This corresponds to the water impact classes W2-I and W3-I according to DIN 18534-1 without chemical stresses.

Load class B

Walls and floors of vessels that come into direct contact with water of drinking quality, such as swimming pools and drinking water tanks indoors and outdoors, if these are directly connected or adjacent to buildings, up to a maximum fill level of 10 m water column. This corresponds to the water impact classes W1-B and W2-B according to DIN 18535-1.



Load class C

Walls and floors subjected to direct and indirect loads in rooms in which service and cleaning water is used very frequently or for long periods, with limited chemical stresses. This includes e.g. commercial kitchens and laundries, if only limited exposure to chemical stresses is anticipated (test media as per section 3.5.7). This corresponds to the water impact class W3-I according to DIN 18535-1 with chemical stresses.

PUR Base WPM + system products

PUR Base WPM

Crack-bridging PUR
waterproofing material

Tape VF series

High-quality, premium joint
tape made from NBR with fabric
backing

Epoxy MT 100

Quick hardening, moisture-tolerant
epoxy resin as primer and fixing
layer

WHG TX

Inorganic
thixotropic agent



Overview of
all system products



Epoxy MT 100

Fast-acting primer for slightly damp substrates

Range of use	<ul style="list-style-type: none"> Primer, bonding layer, levelling layer for slightly damp substrates Producing compression-resistant mortars, flow coatings Base layer for blinded coatings
Property profile	<ul style="list-style-type: none"> Substrate-tolerant up to 6% residual moisture (CM method) Good adhesion on weakly absorbent substrates Quick setting/overcoating Full hardening from +5 °C High mechanical durability High chemical durability Coating compatibility test Free from plasticisers and nonylphenols Physiologically safe in the reacted state Can be used as a primer without subsequent blinding under Remmers PU and EP coatings

Quantity per pallet	168	120		
Packaging unit	1 kg	2.5 kg	10 kg	25 kg
	MCB	MCB	Tin bucket	Tin bucket
Container code	01	03	11	26
Art. no.				
0936			■	■
6362	■	■		



PUR Base WPM

Crack-bridging intermediate layer

Range of use	<ul style="list-style-type: none"> Crack-bridging intermediate layer Base layer for blinded coatings As per BEB Worksheet KH 6
Property profile	<ul style="list-style-type: none"> Static crack-bridging Unpigmented High chemical durability Water-tight to 25 m once installed Satisfies leak-tightness requirement AIV F (class A/B/C) Satisfies the requirements of water impact classes W0-I, W2-I, W3-I as per DIN 18534

Quantity per pallet		
Packaging unit	10 kg	25 kg
	Tin bucket	Tin bucket
Container code	11	26
Art. no.		
6065	■	■



Tape VF series

High-quality, premium joint tape made from NBR with fabric backing

Range of use	<ul style="list-style-type: none"> ▪ Interiors and exteriors ▪ Waterproofing in transitions to WI concrete structures (PG-ÜBB) ▪ Plinth waterproofing ▪ Composite waterproofing ▪ Applying flexible polymer-modified thick coatings ▪ Secure and water-tight sealing of internal corners and joints ▪ Connections to adjacent components ▪ Connections to non-mineral components
Property profile	<ul style="list-style-type: none"> ▪ Highly flexible ▪ High stretch and resilience ▪ Special fabric coating



Quantity per pallet		6000	550	6000	1250
Packaging unit	10 m	50 m	5 pcs	10 pcs	25 pcs
	Roll	Roll	Carton	Carton	Carton
Container code	01	02	01	01	01
Art. no.					
5071	Tape VF 120 Joint Tape VF 120	■	■		
5073	Tape VF 75 EC / External Corner VF			■	
5074	Tape VF 100 IC / Internal Corner VF			■	
5077	Tape VF 120 VC / Wall Gasket VF 120×120 mm				■
4804	Tape VF 350 VC / Wall gasket for pipe penetrations		■		

Epoxy ST 100

Transparent priming and mortar resin

Range of use	<ul style="list-style-type: none"> Primer, bonding layer, levelling layer Producing compression-resistant mortars, flow coatings Base layer for blinded coatings Primer in the system Remmers Deck OS 8 classic
Property profile	<ul style="list-style-type: none"> High mechanical durability High chemical durability Good penetration Free from plasticisers, nonylphenols and alkylphenols Physiologically safe in the reacted state Can be used as a primer without subsequent blinding under Remmers PU and EP coatings

Quantity per pallet	168		120			
Packaging unit	1 kg	2.5 kg	10 kg	25 kg	240 kg	720 kg
	MCB	MCB	Tin bucket	Tin bucket	Drum	Drum
Container code	01	03	11	26	71	70
Art. no.						
1160		■	■	■	■	■
6361	■					
720 kg drums on request						



Epoxy BH 100

Universal, transparent epoxy resin

Range of use	<ul style="list-style-type: none"> Primer, bonding layer, levelling layer Producing compression-resistant mortars, flow coatings Base layer for blinded coatings Topcoat for blinded coatings
Property profile	<ul style="list-style-type: none"> Highly fillable High mechanical durability High chemical durability Good penetration Free from plasticisers, nonylphenols and alkylphenols Physiologically safe in the reacted state Can be used as a primer without subsequent blinding under Remmers PU and EP coatings

Quantity per pallet	168		120			
Packaging unit	1 kg	2.5 kg	5 kg	10 kg	25 kg	
	MCB	MCB	Tin bucket	Tin bucket	Tin bucket	
Container code	01	03	06	11	26	
Art. no.						
0905			■	■	■	
6360	■	■				



Epoxy Color Top

Pigmented roll-on coating and topcoat

Range of use	<ul style="list-style-type: none"> Topcoat in the systems Remmers Deck OS 8 and Deck OS 8 classic Topcoat in the systems Remmers Deck OS 11a-II and OS 11b-II Topcoat in the system Remmers Deck OS 14 as per Regulatory Guideline on Maintenance (draft, 2016) Topcoat for blinded coatings Coloured roll-on coating
Property profile	<ul style="list-style-type: none"> Good protection against carbamate formation Good coverage on blinded coatings High mechanical durability High chemical durability Free from plasticisers, nonylphenols and alkylphenols Physiologically safe in the reacted state



Quantity per pallet		
Packaging unit	10 kg	30 kg
	Tin bucket	Tin bucket
Container code	11	31
Art. no.		
6186	agate grey	■
6191	silver grey	■
6192	light grey	■
6193	pebble grey	■
6194	stone grey	■
6195	basalt grey	■
6196	traffic grey A	■
6188	traffic grey B	■
6190	special colours > 10 kg	■



silver grey



light grey



pebble grey



stone grey



basalt grey



traffic grey A



traffic grey B



agate grey



special colours

Epoxy UV 100

Transparent epoxy resin, resistant to yellowing

Range of use	<ul style="list-style-type: none"> ▪ Binder for decorative gravel coatings ▪ Topcoat for blinded coatings ▪ Fixation layer for full-coverage flake coatings ▪ Transparent coating ▪ Binder for the Remmers Metalufloor system ▪ System component in TÜV PROFICERT-product interior certified systems (707106482-1)
Property profile	<ul style="list-style-type: none"> ▪ Resistant to yellowing ▪ High mechanical durability ▪ Coating compatibility test ▪ Free from plasticisers, nonylphenols and alkylphenols

Quantity per pallet	120		
Packaging unit	2.5 kg	10 kg	25 kg
	MCB	Tin bucket	Tin bucket
Container code	03	11	26
Art. no.			
0905		■	■
6360	■		



Ceramix 07

Coloured quartz sand

Range of use	<ul style="list-style-type: none"> Blinding sand in Remmers systems
Property profile	<ul style="list-style-type: none"> Multi-coloured Free from pyrite PUR-coated
Quantity per pallet	40
Packaging unit	25 kg Paper bag
Container code	25
Art. no.	
6651	silver grey ■
6652	red brown ■
6656	terra ■



silver grey



red brown



terra



Quarz 03/08 DF

Fire-dried quartz sand mixture

Range of use	<ul style="list-style-type: none"> Blinding sand in Remmers systems
Property profile	<ul style="list-style-type: none"> Washed Fire-dried Dust-free
Quantity per pallet	40
Packaging unit	25 kg Paper bag
Container code	25
Art. no.	
4406	■



Selectmix 01/03

Fire-dried quartz sand

Range of use	▪ Filler for suitable Remmers systems
Property profile	▪ Washed ▪ Fire-dried
Quantity per pallet	42
Packaging unit	25 kg Paper bag
Container code	25
Art. no.	
4405	■



WHG TX

Inorganic thixotropic agent

Range of use	▪ Thixotropic agent for synthetic resins ▪ Thixotropic agent in the system SL Floor WHG (AbZ Z-59.12-302) ▪ Thixotropic agent in the system SL Floor WHG AS (AbZ Z-59.12-303)
Property profile	▪ High stability
Quantity per pallet	30
Packaging unit	1 kg Paper bag
Container code	01
Art. no.	
1221	■



V 101

Cleaning and thinning agent

Range of use	<ul style="list-style-type: none"> Universal solvent for thinning and cleaning reactive resins that have not yet reacted 			
Property profile	<ul style="list-style-type: none"> Good cleaning action Good thinning action 			
Quantity per pallet	360	84	50	24
Packaging unit	1 l	5 l	10 l	30 l
	Tin canister	Tin canister	Tin canister	Tin canister
Container code	01	05	10	30
Art. no.				
0978	■	■	■	■



V 103

Cleaning and thinning agent

Range of use	<ul style="list-style-type: none"> Universal solvent for thinning and cleaning reactive resins that have not yet reacted Cleaning of non-absorbent, non-mineral substrates before using sealants of the MB PUReactive series 	
Property profile	<ul style="list-style-type: none"> Good cleaning action, especially on polyurethane-based binders Good thinning action, especially with Epoxy Universal 	
Quantity per pallet	360	84
Packaging unit	1 l	5 l
	Tin canister	Tin canister
Container code	01	05
Art. no.		
5699	■	■



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you with a fast and
personal response.**



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local contact

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get done for you:**



Subject to changes. The current version
of the applicable Technical Data Sheet is
relevant for legal matters.

Colour variations are possible.

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