

BENEFITS

- 1. **Full adhered systems:** protection of the structural support element
- 2. **Complete and absolute protection** of the construction element (EN 1504-2)
- 3. **Zero slope application,** it works under ponding water
- 4. **Direct application to the existing substrate:** waste generations limited, which contributes to an improvement in the construction sustainability
- 5. **Faster setting:** labor time reduction, cost optimization
- 6. No extra weight on existing structure (only $\pm 2.5-3$ kg/m²)
- 7. **Cost reduction:** not need to apply mortar coats to protect it
- 8. **Several finishing** (colors and surface textures), according to the existing slippery international approvals and regulations
- 9. **High resistance to the temperature:** no collapse of the membrane due to environmental causes
- 10. Working life (W3:25 years): high quality of the applied system+ maximum durability warranties
- 11. Plant root penetration approval (ETA 11/0357 and BBA 16/5340)



Application parametersPreliminary considerations

For optimum application of the TECNOCOAT system (adherence, required use, decorative finish and/or applicable regulations) conditioning aspects, such as weather and physical properties of the substrate, need to be identified.

SURFACE HUMIDITY/WATER

Humidity on the substrate can affect the membrane's adherence. Humidity or the presence of water in/on the substrate hampers adherence, which will have a negative effect on the final result of the system. It is recommended that they system is not applied before the concrete curing process has finalized (28 days)

It is essential the application of the product is aware of and takes into consideration this aspect, carrying out the corresponding verifications in all areas of the substrate in order to decide on the type of primer to be used, or whether or not other treatment is required. (vapor barrier)

The different types of humidity or presence of water in/or the substrate or their characteristics may be as follows:

- Liquid water/moisture: There must not be any water present, whatever the type of substrate, as the will completely annul the membrane's adherence(in some cases, use PRIMER WET, please, check our technical department)
- Hydrostatic water: The existence of rising damp, (water coming up through the element), is not compatible with continuous membrane WATERPROOFING SYSTEM and, therefore, this situation will have to be resolved via onsite application of water-vapour permeable hydraulic materials or the installation of floating floors, etc.
- Dew point: This is a factor to take into consideration at the start of applying systems such as ours, which for the most part are used outside and depend, as mentioned, on a level of control of the substrate humidity. The appearance of humidity from dew depends on the air and substrate temperature and the relative ambient humidity. To prevent this, the substrate's temperature should be 3 degrees Celsius above that corresponding to the dew point. (see the universal dew point charts)

SUBSTRATE AND AMBIENCE TEMPERATURES

This is a conditioning aspect that could affect the membrane's curing speed, together with the ambient temperature

Although, based on our experience and due to the chemical nature of some of the products that make up the system, we do not recommend working at ambience temperatures below 3°C.

SUPPORT'S PHYSICAL CONDITIONS

Coating performance is dependent on adequate surface preparation and application. The optimal surface preparation will increase the bonding on the surface, and this is essential for three reasons:

- Good bond allows the structure and coating to work as one and maintain stability
- Prevents salt and contaminated water from leaking through the concrete(extremely important in steel, to protect from rust and corrosion)
- Avoid the formation of pinholes on membrane in the moment of the application



1a. Surface Preparation

CONCRETE

The concrete surface on which the system is to be applied needs to be prepared, as follows:

- Special purpose admixtures, such as waterimmiscible (capable of being mixed) chemicals intended to retard evaporation of water during curing, may create adhesion problems.
- Is necessary to remove oils, greases, silicones and other such contaminants. This is generally a first step in the whole preparation process. Other methods of preparation should follow detergent washing. Scrubbing in a detergent solution is required to force solution as deeply as possible into concrete pour structure. Complete removal of the detergent solution is required. Detergent residue may create a bond breaker to application of sealers and coatings to follow. Disposal of detergent wash residue should follow environmental guidelines.
- Any depressions on the surface caused during pouring of the slabs need to be eliminated as they produce small pinholes caused by the escaping air trapped during application. The depressions are filled using high resistance cement or our special Epoxy mortar mixing PRIMER EP-1020 Epoxy resin with calcium carbonate CO3Ca (ratio ±1:2), or SILICA SAND (ratio ±1:4). This achieves an extremely hard, retraction free infill volume that is also quick drying. Use Mastic PU depending on the size of the infill
- In general, concrete must be structurally sound, dry and clean for successful applications of polyurea systems. Coating systems require a uniformly roughened surface for proper application. Use of preparation specialists may be required. The processes listed below also eliminate the laitance on the surface area of the concrete, thus achieving a flat surface with a minimum continuous roughness (recommended CSP 3 to 6), following the ICRI recommendations:

PROCESSES TO ELIMINATE THE LAITANCE ON THE CONCRETE

Grinding/Milling:

Using a rotary machine with specialty grinding wheels with tungsten carbide; this method is suitable for removing concrete paste and other hard substances. It causes surface erosion by rubbing with stones or hard sanding discs. This removes the softest parts of the surface, for example surface laitance, which sometimes occurs during concrete pouring or curing. But is not suitable for soft existing coatings or when the friction caused heat meets this product.

Sandblasting:

Generally employs sand or a sand type of abrasive shot by compressed air through a nozzle. Sandblasting is recommended for horizontal, vertical, and overhead use. This method is recommended for removal of the surface of concrete, existing sealers, and hard coatings. Creation of dust may be prohibited by environmental regulation. Vacuum mechanisms are available to remove dust from the air. Wet sandblasting is available that complies with environmental regulations. Remove shot material, dust, and mud residues according to environmental regulations. This method of surface preparation, while highly effective, has lost utility where environmental regulation has restricted its use.

Scarifying:

Generally employs a rotary or drum machine. This method utilizes specialty blades or impact devices to break the surface of concrete or coatings. Several passes over the same area may be required to remove existing surface completely. In the case of elastomeric surface coatings, blade shaving may be the only effective method of removal where water use is a problem. Most sealers and coatings will not allow removal by acid etching. Most elastomeric coatings have a tendency to "bounce" shot blasting.

Shot blasting:

It involves the projection or direct impact of steel grit of different sizes on the concrete's surface. This process produces very little dust. Shot is generally recoverable. Some water cleaning or vacuuming may be required after use of this method. This is effective for removal of concrete surface paste, sealers, and hard coatings. Speed over an area and number of passes over an area determine depth of removal. Edging and small spaces are not susceptible to this type of removal without small specially designed equipment.

People applying the system must decide in each case the most suitable method, depending on the conditions of the substrate or surface or the desired result (always in combination with the primer to be used).

 To complete these processes prior to application, the substrate must be cleaned using aspiration equipment, thus avoiding the need to use water as this could hamper adherence of the membrane



Ensure that there isn't presence of contaminants such as oils, greases, silicones... (additives used in the pouring of concrete or in coatings after the latter)







METAL

Most of these metallic surfaces (pre-lacquered metal sheets, copper, zinc, galvanized sheets, etc.) will require blast cleaning, particularly when the area to be treated is vertical or sloped. This process can be carried out using either a dry blast of silica sand or water. The method used will depend, to a large extent, on the metal and its fragility.



The most usual methods used for this type of preparation are dry and wet blasting.

- Dry blasting is carried out using portable equipment that has a pressurized hose inside a larger evacuation hose. The external hose collects the blasting grit after blasting, taking it to the central unit for recovery and recycling, with which this equipment can be used for sizable projects outside with specialized means without any problems.
- Wet blasting, abrasive particles are added to an aqueous medium to form a kind of slurry mixture. This aqueous mixture is continuously shaken to prevent its solidification and pumped using compressed air via one or several nozzles pointed at the surface to be treated.

The liquids most commonly used to suspend the abrasive particles are water-based additives, such as oxide inhibitors, moistening agents and anti-clogging and anti-solidification compounds.

In most of cases (tanks or reservoirs) to prevent corrosion or rust, especially after an abrasion process is recommended passivate: applying oxidation inhibitors before to application of the primer's waterproofing system.

In some case, if you did a special sandblasting achieving a SSPC SP-10 or similar, you could apply directly the membrane without use a primer before

(always check the adhesion before).

Subsequent cleaning of these types of surfaces can be carried out with pressurized water or, in most cases and when most suitable, using acetone-based solvents to simultaneously clean and remove any grease from the surface, with rapid evaporation of the cleaning product. In many cases, the surface passivation is required before application of the products.

After the abrasion process, and before the waterproofing system application, is necessary to apply corrosion inhibitor products.

At the same time these substrates, usually made up of overlapping metal plates, should be encapsulated with MASTIC PU and TECNOBAND 100 (see technical specifications on TDS) applied on joints, screws, nuts and bolts and, in general, any building component that could shift due to expansion. Polyurethane foam may also be used to fill in areas between the plates to ensure a physical support surface for the membrane.

The water channel has to be sealed also because otherwise in cases of hard rainfall, may not be able to absorb the entire water load. It is for this reason that the inner part of the channel match the roofline of the plates shall be completely sealed with the help of previous fill or MASTIC PU or TECNOFOAM, to apply after the membrane layer of polyurea. All joints will be treated according to the existing Section 6.3 of this manual.

CERAMIC SUBSTRATE

With this kind of substrate, the most common problem is the existence of pieces not adhered to the slab, in which case it is important to remove these and fill in the area with cement made up of a mixture of our PRIMER EP-1020 epoxy resin (see technical specifications) and SILICA SAND (ratio of $\pm 1:4$), to even out the surface.

A dry cleaning method is best, avoiding those that use water as this penetrates inside the tiling, between the intermediate layers, with which evaporation is very slow. In this case, the floor surface is sanded to achieve, simultaneously, waste disposal, or fat powder, and increased mechanical anchoring system as the pore opens the ceramic surface.

If water is used for cleaning, always check the level of humidity or water retained inside the material's layers, to decide when to continue the application.

In any case, even when water is not used to clean, the humidity of the substrate should be checked.





You will need also the grouting the joints or sores of the ceramic pieces, and cleaned and repair the existing expansion joints by removing the existing material, cleaning, filling with MASTIC PU, and band placement TECNOBAND 100 (see technical specifications for these products) at the top.

LAMINATED SUBSTRATE (BITUMINOUS SHEETS, BUTYL)

The surface should be cleaned using medium pressurized water to remove any dirt, dust or contaminants.

Check the overlaps on different sheets: they must be well bonded.

Application will be made applying initially several thin coats of TECNOCOAT over existing material, to then start the regular application with required performance.

Depending on the surface finishing of the bituminous asphalt sheet, we will do this:

- On sheet backing fine finish, general surface cleaning will be performed before applying the primer.
- In the case of asphalt with a protective film to reflect the sun's rays, this should be removed, if possible, as in many cases the heat and pressure generated by the application of the polyurea membrane tear this film away.
- In the case of asphalts with a protective finish (rough) or standard smooth finish, cleaning may be carried out directly.

Always check that no dampness or water has been retained within these laminates or between these and the substrate if there were any prior fractures.

PAINTED SUBSTRATES

In the case of roofs or surfaces with old acrylic paint from restoration or waterproofing, first of all any peeling or unstuck material on the substrate must be removed by sanding or using pressure cleaning (better use a dry method), although this latter processed involves the use of water, which requires drying and verification of the humidity levels before applying the membrane.

In any case, check the level of humidity or water retained within these paints and the substrate due to either fractures or peeling or the cleaning process.

Apply a thin coat of PRIMER EPw-1070 to improve the support adherence.

ASBESTOS SUBSTRATE



In many cases the overlaps of the plates that make up the substrate need to be resealed using TECNOFOAM sprayed polyurethane rigid foam (depending on the amount to be applied), as well as checking their overall condition. Likewise, any screws, nuts and bolts in bad condition need to be resealed using MASTIC PU polyurethane Mastic or TECNOBAND 100 (see technical specifications on TDS).

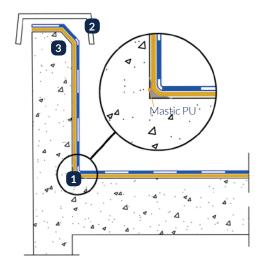
Roll of geotextile and butyl self-adhesive TECNOBAND 100

Finally, clean the surface to remove any efflorescence and other elements that could prevent proper adherence of the system's products, using medium pressurized water.

Check the level of water originating from this process before continuing with application of the membrane. If considered desirable, depending on the situation and the sheet, apply a thin coat of PRIMER EPw-1070 with mechanical methods.



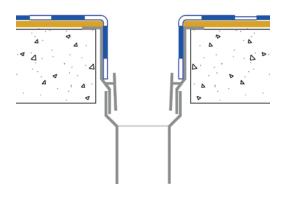
1b. Singular points



VERTICAL SURFACES

(FLASHING, UPSTANDS, SHARP EDGES)

- 1. Coving at the point of contact, to provide a good surface for the vertical rotation of the membrane, using MASTIC PU, or common mortar.
- 2. Final membrane's edge, to ensure that not water rain filter out within the membrane and wall.
- 3. In turns or sharp edges on the top of the wall, it should cut them about 45 ° to avoid breakage due to an internal punching.

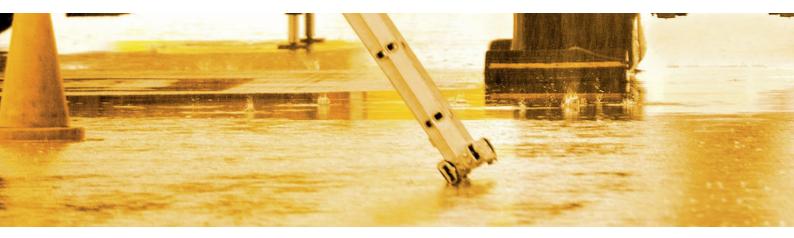


DRAINS

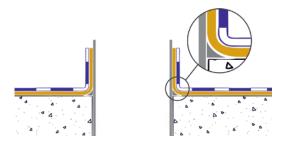
Drains and vertical water drainage should be given a generous coating of the membrane over their entire surface up to the mouth of the drainpipe. To aid in this operation, our MASTIC PU may be used to fill in the edges of the drainpipe at its point of contact with the slab.

In the case of metal drainpipes, the membrane will be applied in a continuous layer extended inside the drainpipe.



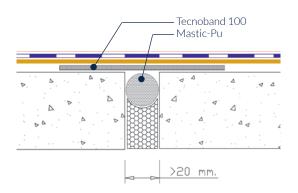






INTERNAL OUTLETS

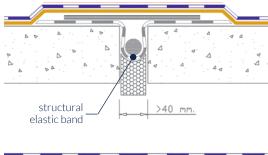
In any internal outlets coving at the point of contact, to provide a good surface for the vertical rotation of the membrane, using MASTIC PU.



JOINTS

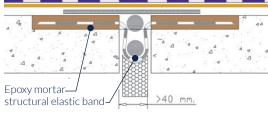
Width size: ≤ 20mm, the gap should be opened up sufficiently, cleaned and filled in with MASTIC PU (never use silicones) elastic polyurethane Mastic.

Width size: >20mm, cleaned and filled in with MASTIC PU (never use silicones) elastic polyurethane as well as applying a top seal with TECNOBAND 100 butyl self-adhesive perimeter band and an upper protection of a geotextile layer in order absorb movements in the joint.



EXPANSION JOINTS

In the case of expansion joints, the stress to be absorbed is greater and, therefore, this element should be treated as a structural element and using specials seals. They should be applied and installed in the areas subject to structural movements according the TDS.









2. Primer resin

The use of primers when applying the complete TECNOCOAT membrane system is important and essential and it is indicated in the approval and certification documentation available of TECNOCOAT P-2049 (ETA and BBA).

MAIN PERFORMANCES

- Increase bonding
- Fill irregularities to the existing surface
- Surface moisture absorption, present in the surface during the application process

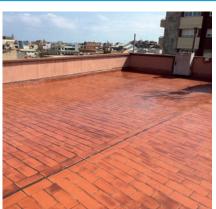
APPLICATION METHODOLOGY

- Check expiry time and stir each one
- Open the buckets
- Mix both components
- Stir using a low speed electrical mixer.
- Apply by roller or brush. The number of coats depends on the physical surface conditions; in most of cases is necessary to apply 2 crossed coats. Wait for the tack free time between coats. You can use airless equipment too, but the potlife time must be checked in order to clean the equipment within the indicated time.



This process requires a flat, clean and dry substrate and as hard as possible.









In the tables below you can see the main properties of available primers to use in this system. Pay attention at the "accepted surfaces" and "maximum surface dampness" to do the best choice of primer.

	PU-1000	EP-1020	EPw-1070	
Main use	Surfaces in low-damp conditions	Surfaces in low-damp conditions	Surfaces in medium- damp conditions	
Accepted surface	Repair membranes / concrete	Concrete	Concrete, asphalt	
Components No.	1	2	2	
Product base	Polyurethane solvent based	Epoxy 100% solids	Epoxy water based	
Density	1.110 kg/m³	1.050 kg/m³	1.000 kg/m³	
Solids content	> 80 %	100 %	> 60 %	
Concrete adherence	> 2 MPa	> 2 MPa	> 2 MPa	
Viscosity	120 cps	250 cps	3350-A / 800-B cps	
Yield per coat	± 100 g/m²	± 150 g/m²	± 100 g/m²	
Initial drying time	60 minutes	60 minutes	5 ~ 6 hours	
Recoat time	3 ~ 24 hours	3 ~ 48 hours	6 ~ 48 hours	
Temperature of use	5~35°C	5 ~ 35°C	3∼35℃	
Maximum surface dampness	5 %	4 %	± 10 %	
Dilution on water	± 5 % DESMOSOLVENT	NO	5 ~ 20 %	

	- PU-1050	- PUC-1050	- WEI		
Main use	The best option for concrete	For concrete in cold environments	Concrete subject to maximum damp		
Accepted surface	Concrete	Concrete	Concrete		
Components No.	2	2	2		
Product base	Polyurethane 100% solids	Polyurethane 100% solids	Epoxy 100% solids		
Density	$1.110\mathrm{kg/m^3}$	1.110 kg/m³	1.540 kg/m³		
Solids content	100 %	100 %	100 %		
Concrete adherence	> 2 MPa	> 2 MPa	> 2 MPa		
Viscosity	450-A / 900-B cps	Viscosity 450-A/900-B cps		680-A / 620-B cps	
Yield per coat	± 150 g/m²	± 150 g/m²	± 450 g/m²		
Initial drying time	60 minutes	60 minutes*	3 hours		
Recoat time	3 ~ 24 hours	3 ~ 24 hours*	3 ~ 6 hours		
Temperature of use	5∼35°C	5 ~ 15 °C	5∼35°C		
Maximum surface dampness	± 5 %	± 5 %	± 98 %		
Dilution on water	NO	NO	NO		



3. Tecnocoat membrane

TECNOCOAT P-2049 is an extremely durable, solid and hard-wearing product that, once applied, offers great stability and long-life. Thanks to its versatility and its drying time of between 3 and 5 seconds TECNOCOAT P-2049 adapts to any surface, making it in the ideal product for application in uneven areas of any shape, whether curved or square.

Tecnocoat P-2049 has W3 certification (ETA 11/0357 and a BBA 16/5340) including anti-roots penetration, at 25 years working life, minimum thickness of 1,4 mm (recommended thickness of 2 mm, consumption $\pm 2,1$ kg/m²)





APPLICATION METHODOLOGY

Spray gun application should be carried out applying the product always perpendicularly to the substrate, regardless of whether the surface is horizontal or vertical. This is extremely important as, otherwise, it will not be possible to apply the product completely and continuously, thus causing gaps in the layer and, therefore, incomplete seal.

Apply coat continuously as needed to achieve the desired thickness according to the final use or technical requirements.

The membrane is applied using spray equipment that takes the two components and it will form the final solid membrane (isocyanates and amines).



tecnocoat tecnocoat

Recomended for		
	Concrete	Metal
Component No.	2	2
Density	± 1.100 kg/m³	± 1.100 kg/m³
Elongation	> 350%	> 600%
Tensile strength	> 20 MPa	± 13 MPa
Concrete adherence	> 2 MPa	> 2 MPa
Hardness (shore A)	> 95	> 75
Hardness (shore D)	> 55	-
Initial drying time	3 ~ 5 seconds	13 ~ 25 seconds
Recoat time	max. 12 hours	máx. 12 hours
Thickness (Yield)	2 mm (± 2,1 kg/m²)	1,5 mm (± 1,6 kg/m²)
Fire reaction	Euroclass E	Euroclass F
External fire behavior	Broof (t1) (t2) (t4)	-
Anti-root	Yes (EN13948)	-
Solids content	100%	100%
Ponding water works	YES	YES

Heater isocyanate temperature	±75 °C	±78°C	
Heater amines temperature	±70°C	±72°C	
Hose temperature	±70°C	±72°C	
Pressure	2.900 psi (200 bar)	3.000 psi (206 bar)	
Recommended mixing chamber	GU-07008-1 or GU-07008-2	GU-07008-1 or GU-07008-2	

4. Finish coat with Tecnotop range

Due to the fact that it is an aromatic membrane it is essential to protect it, as indicated under ETA 11/0357 and BBA 16/5340, from the sun's UV rays. Therefore, TECNOCOAT must be protected using colored, opaque materials that form a barrier against the aggressive effects of UV rays, and in this specific use to protect against chlorine or salat water.

TECNOTOP can be applied with:

- airless spray gun
- short nap roller
- brush

When applied using an airless system, add max. 5% Desmosolvent to help it run more smoothly through the equipment.

METODOLOGÍA DE APLICACIÓN:

- Verification of the humidity range of the TECNOCOAT membrane surface (or any other kind of substrate).
- Check expiry time and stir each one.
- Mix components A and B (if used, mix the pigment beforehand with component A).
 Stir using a low speed electrical mixer.
- Continue applying the necesary coats of TECNOTOP accounding to the needs (see next tables)

tecnotop tecnotop



These types of resins should be applied without any humidity or the presence of water on the substrate.

Likewise, re-application should be carried out once the first coat has dried and with a maximum use window of 24 horas at 23° C.

Components No.	1	2	
Density	±1,20 g/cm³	±1,20 g/cm ³	
Solids content	>63%	>71%	
Pot Life	-	>1 hour	
Tact free	±5 minutos	±2 horas	
Recoat time	0,5 ~ 48 horas	4 ~ 48 horas	
Walkable / Passable	±3 horas	±24 horas	
Hormigón adhesion	>1,3 MPa	>1,5 MPa	
Yield	see next tables	see next tables	
Service temperature	8 °C ~ 30 °C	8 °C ~ 30 °C	







Application summary These previous procedures are common to all systems below, each system specifies the finishing procedure.

	PRODUCT	EXISTING SURFACE HUMIDITY	APPLICATION METHOD	YIELD	THICKNESS
	Surface preparation				
	PRIMER EPw-1070 (asphalt)	± 10 %		100 ~ 200 g/m²	55μ~110μ
2	PRIMER PU-1050 (concrete) PRIMER PUc-1050 (concrete, cold weather)	± 5%	Apply by roller or brush. The number of coats depends on the surface conditions.	150 ~ 300 g/m²	135 ~170 µ
	PRIMER EP-1020 (concrete)	± 4%		200 g/m²	190 μ
	PRIMER EP-1040 (ceramic tiles or metal)	± 4%		100 ~ 150 g/m²	95 ~140 µ
	PRIMER WET (concrete)	± 98%		450 ~ 500 g/m ²	290 ~325 μ
3	TECNOCOAT P-2049 (concrete, asphalt, ceramic tiles)	-		2,1 kg/m²	2 mm
	TECNOCOAT P-2049 EL (metal)	-		1,6 kg/m²	1,5 mm







89μ

RF1. STANDARD NON-WALKABLE FLAT ROOF

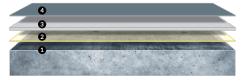




RF2 · STANDARD WALKABLE FLAT ROOF (using Silica Sand)





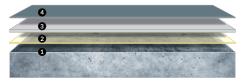


	TECNOTOP 2C	-	Apply a first coat of Tecnotop 2C	150 g/m²	89 μ
4	SILICA SAND	-	Spread SILICA SAND on the wet surface. Once dried, remove the non bonded SILICA SAND (granulometry 0,3 ~ 0,8mm).	2 ~ 3 kg/m²	-
	TECNOTOP 2C	-	Once dry, apply the second layer (sealing layer) of TECNOTOP 2C with a short nap roller or airless equipment, if it was necessary esthetically.	180 g/m²	107 μ

RF3 · STANDARD WALKABLE FLAT ROOF (using Tecnoplastic)

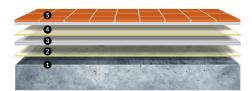






	TECNOTOP 2C + TECNOPLASTIC C / F / C plus	-	Apply a first coat of Tecnotop 2C mixed with Tecnoplastic C, F or C plus (7~8%)	150 g/m²	89 µ
4	TECNOTOP 2C	-	Once dry, apply the second layer (sealing layer) of Tecnotop 2C with a short nap roller or airless equipment, if it was necessary esthetically.	180 g/m²	107 μ





RF4 · CERAMIC FINISH



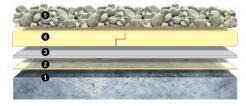


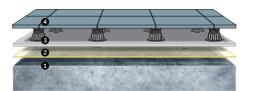
	PRIMER PU-1000	± 5%	Apply by roller or brush. The number of coats depends on the surface conditions.	80 g/m²	60 µ
4	SILICA SAND	-	Spread SILICA SAND on the wet surface. Once dried, remove the non bonded SILICA SAND (granulometry 0,3 ~ 0,8mm).	1,5 ~ 2 kg/m²	-
5	CERAMIC TILES	-	Apply the ceramic floor using a specific adhesive/mortar	-	-

RF5 · OTHER FINISHES

Tecnocoat P-2049 accept other kind of finishes, like gravels, technical outside, pavements, etc.

For more information consult our technical department.

















Approved by official certification agencies

EOTA CERTIFICATES

European TECHNICAL ASSESSMENT (ETA 11/0357)

TECNOCOAT P-2049 holds an ETA certificate (w3 25 working life years). This approval is based on a European technical approval guideline (ETAG) no 005 which approves the suitability of the product for its specified use, based on compliance with the essential requirements as "Liquid Applied Roof Waterproofing Kit, based on pure Polyurea". Including plant roots penetration according EN-13948 for use in green-roofs.

European TECHNICAL ASSESSMENT (ETA 16/0680)

This approval is based on a European technical approval guideline (ETAG) no 033 which approves the suitability of the product how "Liquid Applied Bridge Deck Waterproofing Kits" (under asphalt).

BBA CERTIFICATE

UK TECHNICAL ASSESSMENT (BBA 16/5340)

TECNOCOAT P-2049 holds a BBA certificate for the British market (w3 25 working life years) and regulates aspects as weather resistance, reaction to fire, adherence to substrates, pedestrian and road traffic resistance, plant roots penetration and service life for over 25 years.

NSF INTERNATIONAL LABORATORIES APPROVAL

APPROVED FOR CONTACT WITH WATER INTENDED FOR HUMAN CONSUMPTION (BS6920) TECNOCOAT P-2049 passed all the tests conducted by the NSF laboratories and is now officially classified as safe and suitable for use in contact with water destined for human consumption.

EN 1504-2 APPROVAL

PROTECTION AND REPAIR OF CONCRETE STRUCTURES

TECNOCOAT P-2049 holds an EN 1504-2 certificate, the official European approval for products and systems designed for the protection and repair of concrete structures.

CONTACT WITH FOOD PRODUCTS CERTIFICATE

NO MIGRATION IN CONTACT WITH ETHANOL (UE REGULATION No. 10/2011 based on EN 1186.1:2002 and EN 1186.3:2002)

The TECNOCOAT P-2049 membrane holds a certificate issued by Applus declaring that migration in contact with ETHANOL is lower than the global limit permitted thereby allowing its use in the storage of wine, beer and liquors.



tecnocoat roofing waterproofing systems









Legal Notes

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