



INOVASTA
WATERPROOFING
SYSTEM



INOVASTA WATERPROOFING SYSTEM

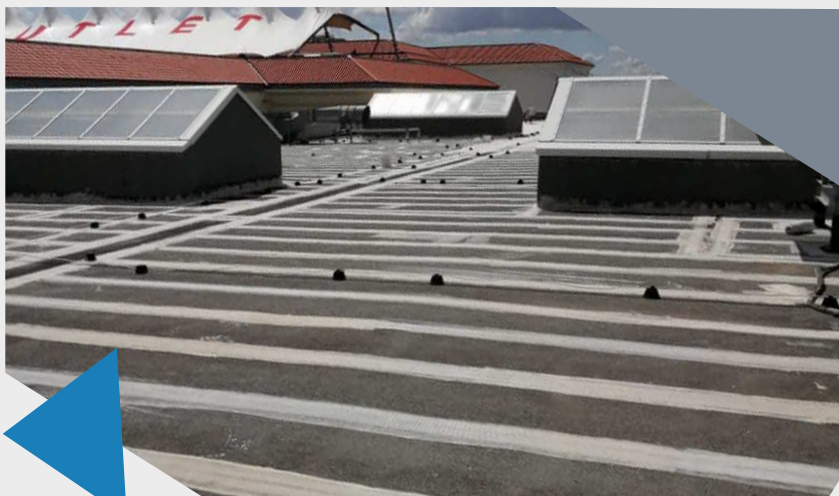
WHY INOVASTA



Provides additional protection to the
ROOF
Eliminates replacement **COSTS**
Allows **REPAIR**
Extends the life of the roof
It saves money
WARRANTY is given in writing.
SUPERIOR PRODUCT means permanent
protection.

WHEN INOVASTA

To perform physical repair of the
existing roof
Water insulation is needed
When heat insulation is needed
When it does not require dismantling
and rebuilding
Easy application and when work
should not stop
For fast action and error-free
application



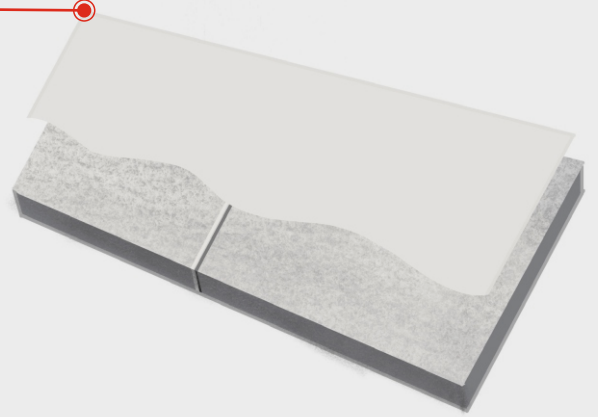
UNIQUENESS OF INOVASTA

- Has environmentally friendly products
- It produces superior products from superior raw materials.
- Creates the most accurate systems with superior products.
- Technologically advanced products provide longer durability and provide resistance to the constant attack of nature.
- It consists of the combination of rocks coming from nature with organic binders.
- High quality acrylic binders are used
- Micron-sized minerals increase quality.
- Nano size powders provide advanced resistance against external factors.
- High-strength micro fibers ensure that the products hold and stretch among themselves and on the surface they are applied to.
- They are highly resistant to chemical reactions
- NISPOW in certain sizes (special insulation powder in Nano sizes) is available in all products.
- NISPOW is very effective against all of the properties such as oxidation, rust, flexibility, tensile strength, elongation and heat stabilization, it is not affected by external factors.
- It provides resistance against acid rain and industrial pollutants and does not deteriorate.

THE PRODUCTS USED IN INOVASTA WATERPROOFING SYSTEM

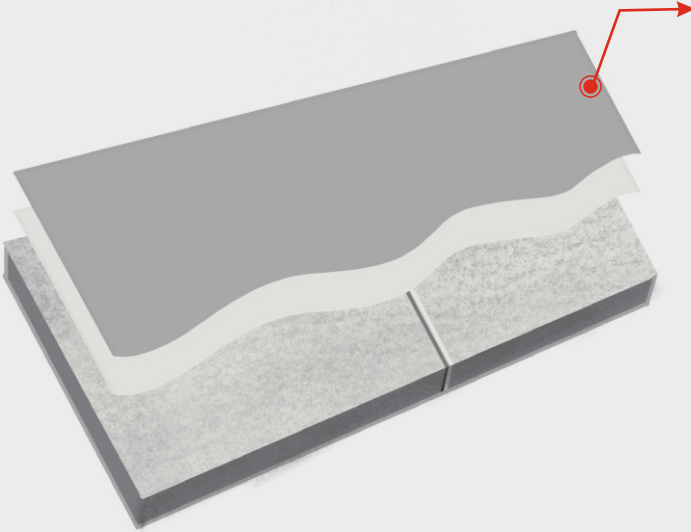
ROOFPRIME

ROOFPRIME is a white and water based general purpose surface primer. Provides long-term warranty with INOVASTA's other products. It penetrates to concrete, wood, PVC, TPO, EPDM, bitumen, asphalt, ceramic, metal and glass surfaces and fills cracks completely and provides full adhesion. Thanks to a special powder inside the formula ROOFPRIME is resistant to heavy weather conditions.



ROOFCOAT SON KAT ÇATI KAPLAMASI

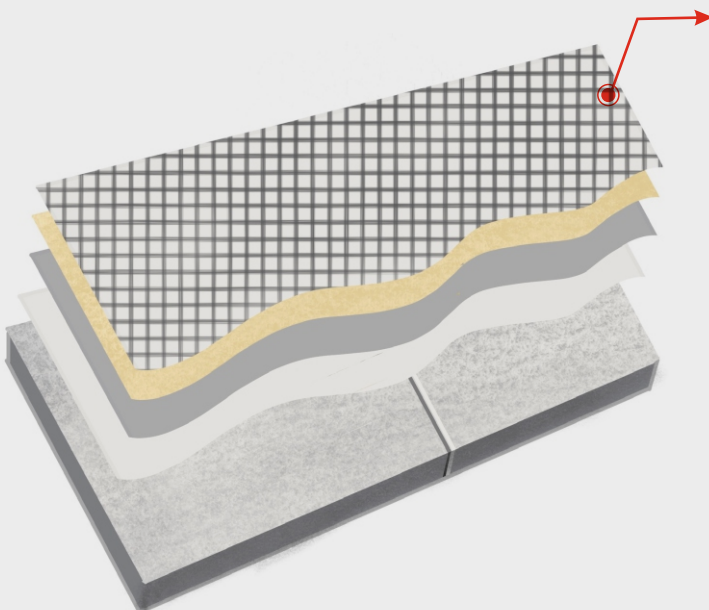
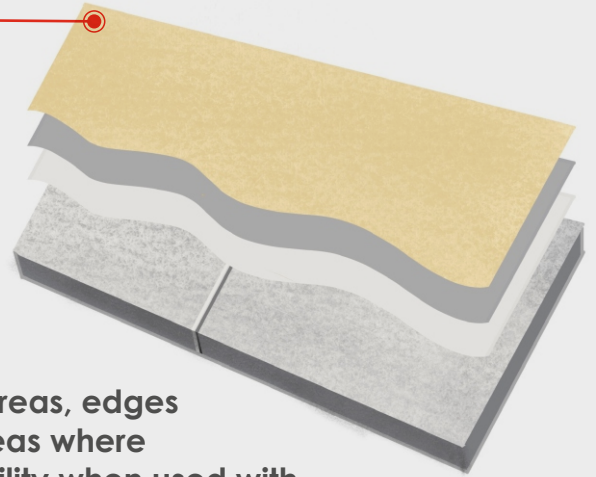
ROOFCOAT is a topcoat material that can be produced in off white, gray or any desired color. Provides complete protection on surfaces applied together with other waterproofing products of INOVASTA brand. Its main usage area is to make waterproofing and to extend the life of the surface by applying to the whole surface. Consists of acrylic binders, mineral powders, NISPOW and several separate substances.



THE PRODUCTS USED IN INOVASTA WATERPROOFING SYSTEM

JOINT FILL

JOINTFILL is a patching or filling material which can be produced in white, gray or any color. Provides complete protection on surfaces applied together with other waterproofing products of INOVASTA brand. Provides long-term warranty with INOVASTA's other products. Main areas of application, dilatation zones, joints, all joints, wall and parapet junction areas, edges and corners, cracks, bubbles, blistering, areas where water first finds its way. Provides extra flexibility when used with JOINTFABRIC in areas of pressure, tension, tear, separation and rupture. Prevents the formation of new fractures and cracks. Application can be done before or after the problem occurs. It is also useful to use the JOINTFABRIC in areas with high expansion. JOINTFILL provides excellent adhesion to all surfaces such as; concrete, metal, wood, glass, ceramic, etc. because the chemicals in it provide flexibility, superior adhesion and weather resistance.



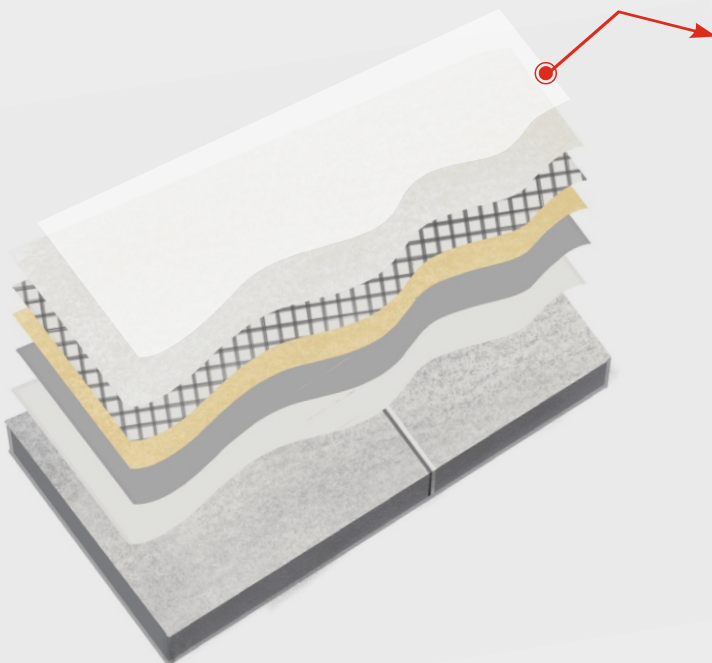
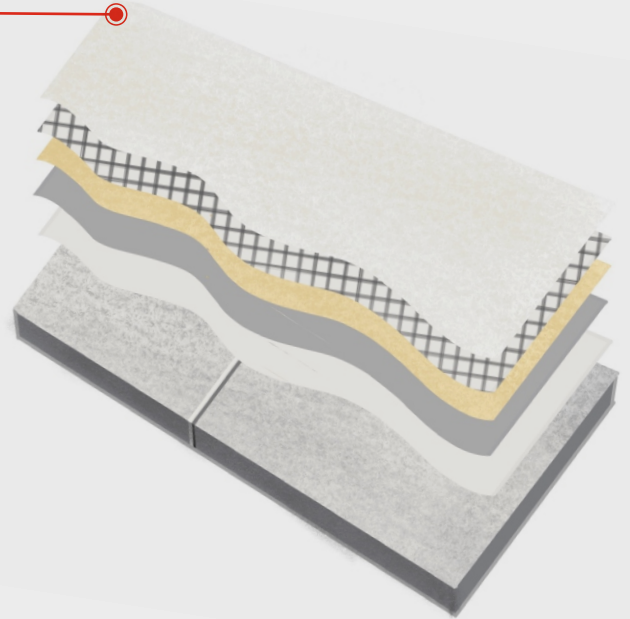
JOINT FABRIC

ROOFCOAT is a topcoat material that can be produced in off white, gray or any desired color. Provides complete protection on surfaces applied together with other waterproofing products of INOVASTA brand. Its main usage area is to make waterproofing and to extend the life of the surface by applying to the whole surface. Consists of acrylic binders, mineral powders, NISPOW and several separate substances.

THE PRODUCTS USED IN INOVASTA WATERPROOFING SYSTEM

TopCoat

TOPCOAT is an off-white water and mineral based top coat protective shield. Provides long-term warranty with INOVASTA's other products. ROOFPRIME should be used before TOPCOAT application on surfaces that do not have water problems, but if it is to be used after JOINTFIL or ROOFCOAT no primer needed. It is designed to provide an energy efficient reflective coating that protects, beautifies and preserves old and new roofs, as well as hundreds of other surfaces that require protection from heat, solar radiation, rust and corrosion. Provides complete penetration and adhesion to concrete, wood, PVC, TPO, FPO, EPDM, bitumen, asphalt, ceramic, metal and glass surfaces when used with ROOFPRIME



PenetCoat

A silicate based, transparent liquid insulation product by INOVASTA, an innovation as alternative to waterproofing applications, rendering water impermeability to the applied surfaces without forming a film layer on the surface and disturbing the appearance and texture. Fully adheres to the applied surface and remains stable for many years without any loss.



ROOF NEGLECT IS COSTLY

INOVASTA TOPCOAT ROOF SYSTEM

Under direct exposure to the weather, roofs begin deteriorating the day they are installed. Without preventive maintenance, asphalt roofs will eventually crack, blister, become brittle and begin to leak. Metal roofs fall victim to rust and corrosion and the fasteners loosen, causing leakage at the seams. Asbestos cement roofs develop cracks, begin to erode and collect unsightly fungus and mildew growth. PVC / TPO / FPO / EPDM based roofs lose their UV resistance over time, open at the joints of overlaps, and welding problem between old material and new material, contraction of membrane and reverse head drilling problems of screw heads. As the deterioration progresses, the building and its contents become increasingly subject to leakage and damage, and in the end the building owner is left with no alternative but to completely replace the roof at a substantial cost.

Preventive maintenance with INOVASTA Topcoat Roof Systems is a much wiser and far more economical approach, one which recognizes the need to treat deterioration at regular intervals rather than allowing it to advance to the stage where complete replacement is the only option.



INOVASTA TOPCOAT ROOF SYSTEM **SAVE ROOFS and MONEY**

INOVASTA Topcoat Roof Systems are preventive maintenance systems designed for use over existing asphalt, metal and asbestos cement roofs which are in relatively sound condition. Comprised of premium quality, cold-applied INOVASTA Roofing Products, these systems save existing roofs and save building owners the, high cost of complete roof replacement. Periodic use of INOVASTA Topcoat Roof Systems, combined with regular roof inspections and the early correction of minor problems, can make the roof last as long as the building itself

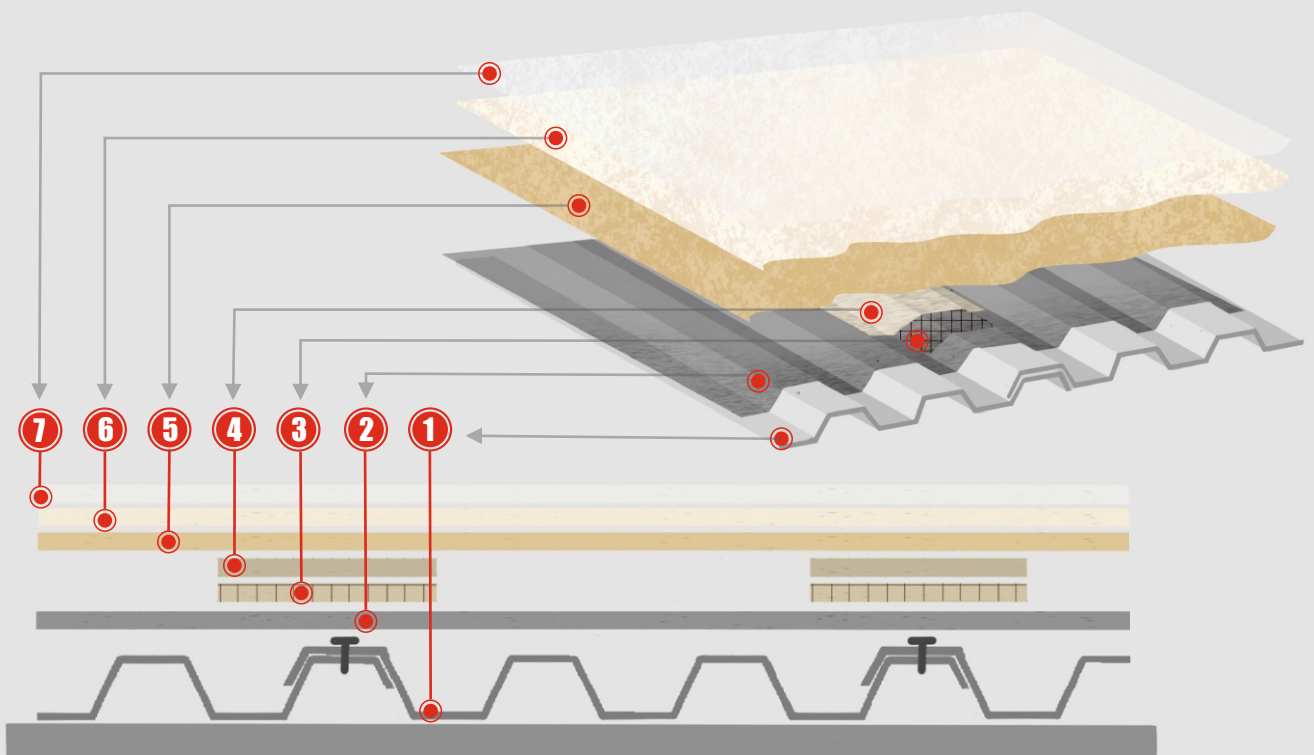
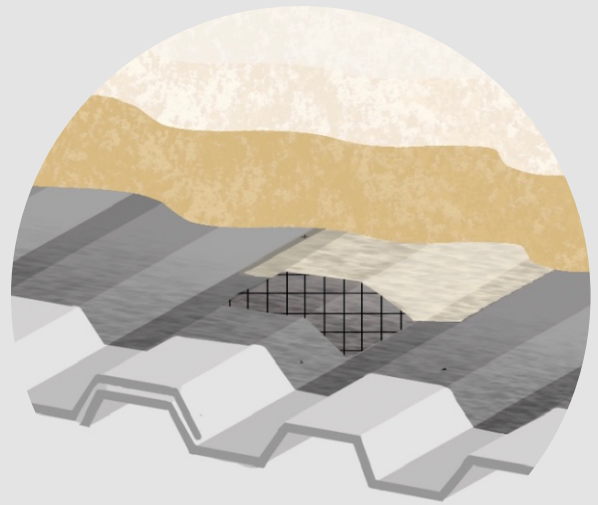
ROOF DECKS **GENERAL**

All roof decks shall be sound, clean, smooth, dry, and free of loose debris prior to installing any roofing material. They shall be designed to support all live and dead loads according to good engineering practice and applicable codes. Standing water shall not be permitted; a minimum slope (2%) is recommended. Deflections shall not be such that under full loading there are any areas that retain water. There shall be no noticeable deflection under the weight of a workman. Provisions shall be made for expansion and contraction. All openings in the roof deck shall be complete prior to installing any roofing materials. No protrusions shall be permitted between the substrate and the provided at no additional cost. The protection it provides does not decrease as the roof ages. It provides as much protection on the final day of coverage as it does on the first.



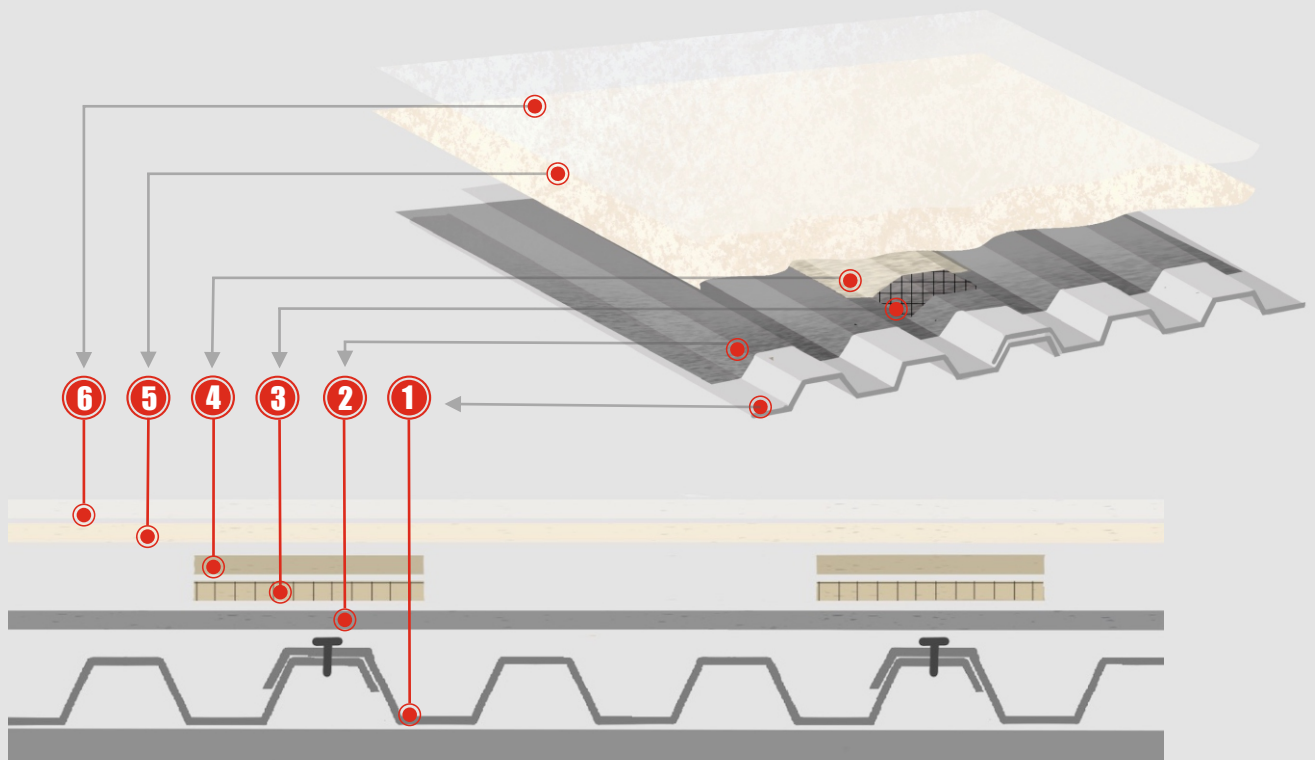
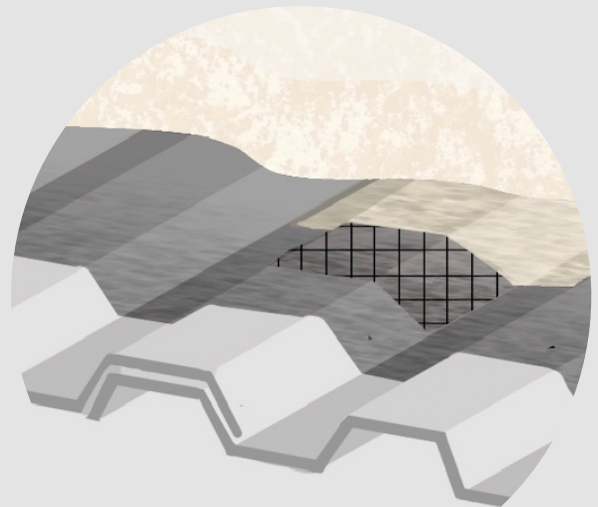
APPLICATION INSTRUCTION

1 TOPCOAT ROOF SYSTEMS FOR METAL ROOFS	
PRODUCTS	SYSTEM RF 101
	10 YEARS GUARANTEE
2 ROOFPRIME	0,3 lt / m ²
3 JOINTFABRIC	1,0 m ² /m ²
4 JOINTFILL (Sealing areas)	2,5 kg / m ²
5 ROOFCOAT	1,8 lt / m ²
6 TOPCOAT	0,6 lt / m ²
7 PENETCOAT (OPTIONAL)	0,3 lt / m ²
MATERIALS REQUIRED PER 1 M ²	



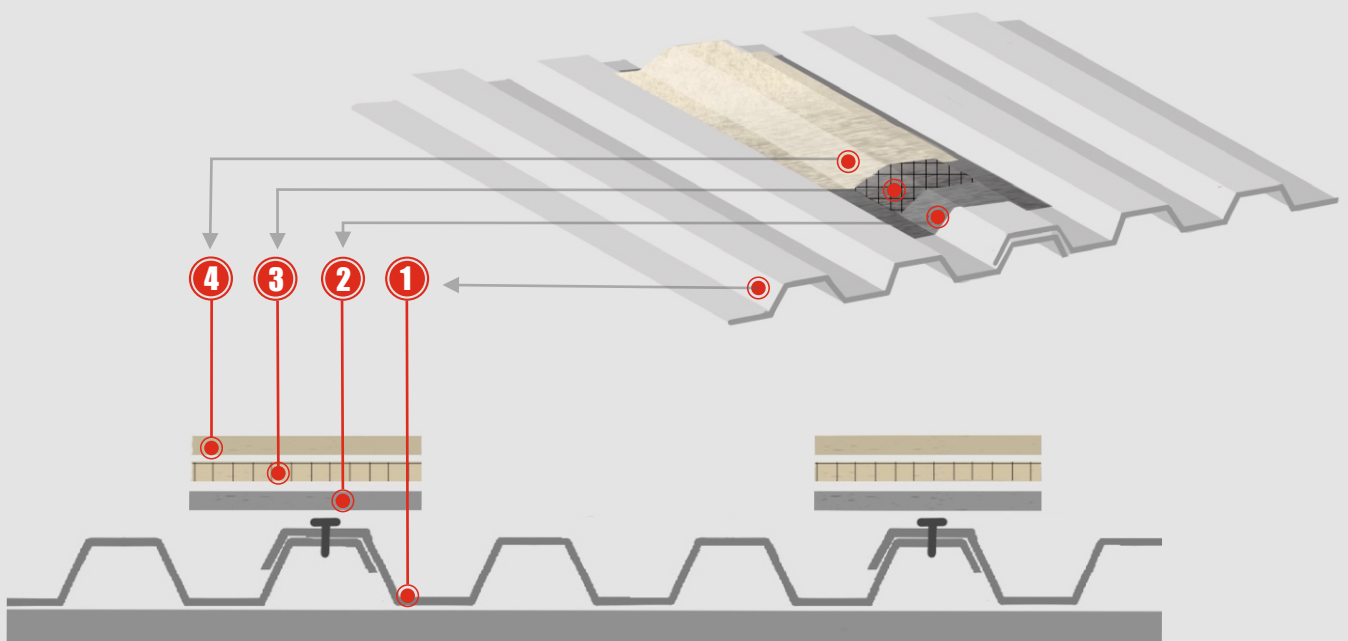
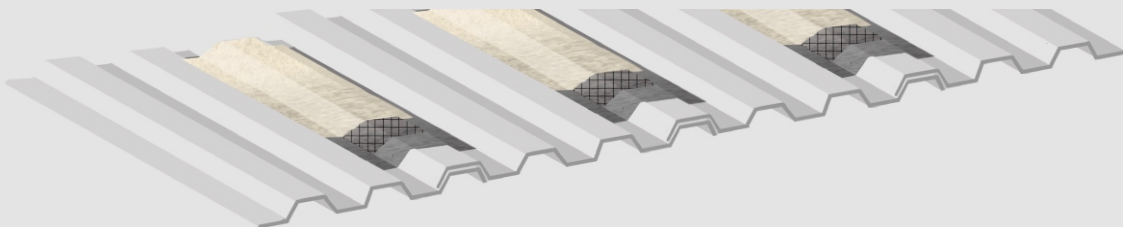
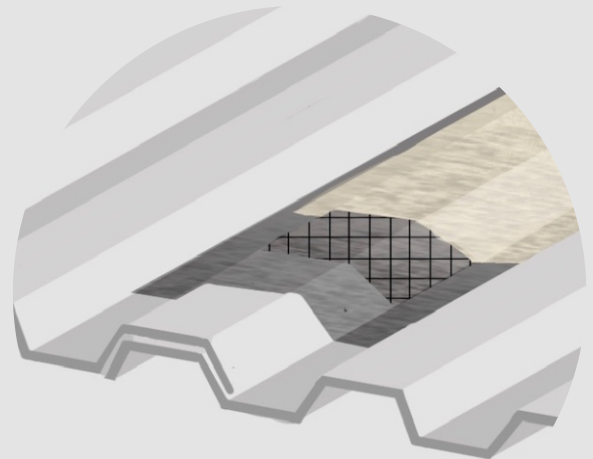
APPLICATION INSTRUCTION

1 TOPCOAT ROOF SYSTEMS FOR METAL ROOFS	
PRODUCTS	SYSTEM RF 102
	5 YEARS GUARANTEE
2 ROOFPRIME	0,3 lt/ m2
3 JOINTFABRIC	1,0 m2/m2
4 JOINTFILL (Sealing areas)	2,5 kg / m2
5 TOPCOAT	0,8 lt / m2
6 PENETCOAT (OPTIONAL)	0,3 lt / m2
MATERIALS REQUIRED PER 1 M2	



APPLICATION INSTRUCTION

1 TOPCOAT ROOF SYSTEMS FOR METAL ROOFS	
PRODUCTS	SYSTEM RF 103
	2 YEARS GUARANTEE
2 ROOFPRIME	0,3 lt/ m2
3 JOINTFABRIC	1,0 m2/m2
4 JOINTFILL (Sealing areas)	2,5 kg / m2
MATERIALS REQUIRED PER 1 M2	





INOVASTA TOPCOAT ROOF SYSTEM FOR METAL ROOFS

STEP # 1 APPLICATION INSTRUCTION PREPARE THE ROOF SURFACE

METAL WORKS, CLEANING and PRIMING the ROOF

- Surface impurities such as loose rust and dirt must be removed. The metal sheets must be securely fastened together and any loose screws, bolts or other fasteners must be tightened.
- Previously applied all other materials will be cleaned over the roof and gutter. Metal joints will be checked again. If hard to remove from the roof cut the old materials and apply primer over it.
- For the SYSTEM RF 101 and RF 102 whole roof has to be primed by ROOFPRIME with a ratio of 0.35 lt / m2. For SYSTEM RF 103, only the patching areas will be primed. ROOFPRIME will help to ease application because of its reflection function during the hot weather. It will be cured in 2 hours in hot weather.

STEP # 2 SEAL THE FLASHINGS

PATCH AND REPAIR WORKS

- Two materials will be used in the patch and repair process. JOINTFILL (Water-based, flexible and highly adhesive joint Patch and Filler) and JOINTFABRIC (Special glass fiber mesh)
- The list of areas to be patched and repaired are as follows.
- Screw Heads, Ridge joints, Clamp joints, Panel side finish sections, Panel overlaps, Gutter and panel junction areas, and the entire gutter, other areas considered to be the potential leakage area will be treated the same.
- The patching process will be done in two layers with JOINTFILL and JOINTFABRIC.
- The width of the JOINTFABRIC will change according to the application area. All of the gutter surfaces will be applied with JOINTFABRIC. Panel overlaps will be applied with 10 cm mesh. JOINTFABRIC application will change according to the size of the problem.
- The application of JOINTFILL will be an average of 2.5 Kg / m2. JOINTFILL will be cured in 6-12 hours depending on the weather.

STEP # 3 COAT THE ROOF

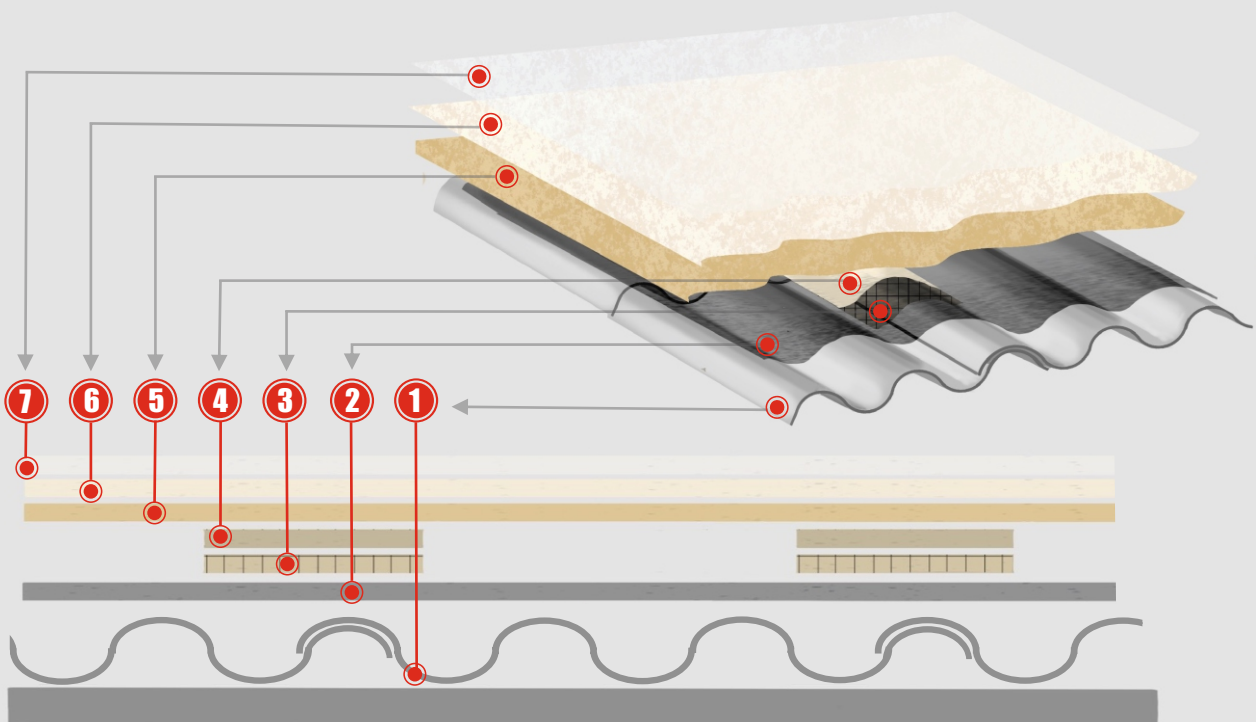
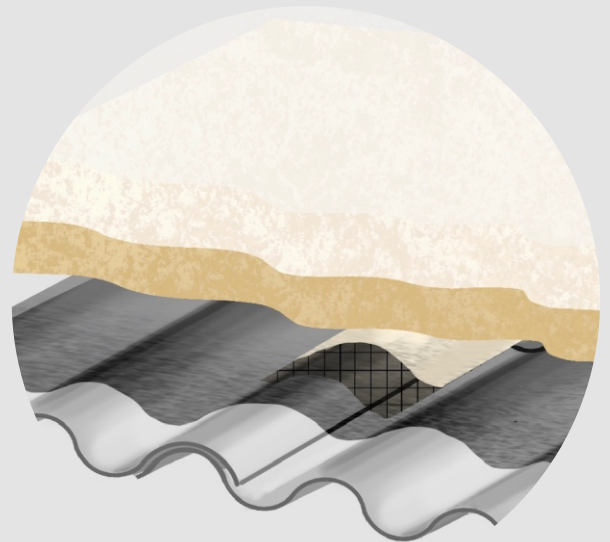
COATING AND FINISHING WORKS

- Immediately after the patch process, ROOFCOAT (Water-based fiber reinforced mineral-based Roof Covering) will be covered over the entire surface due to the purpose of completing the insulation and creating a seamless roof. The application will be made as 1.8 lt / m2. This coating is included in all surfaces and parapets.
- As the last layer, TOPCOAT will be applied with a ratio of 0.6 lt / m2. TOPCOAT will ensure additional reflection and protection from external factors. TOPCOAT will also provide a reflection of about 10 degrees of sun rays.
- Note that SYSTEM RF 102 AND SYSTEM RF 103 ROOFCOAT will not be used.

TOPCOAT ROOF SYSTEM FOR ASBESTOS CEMENTOS ROOFS

APPLICATION INSTRUCTION

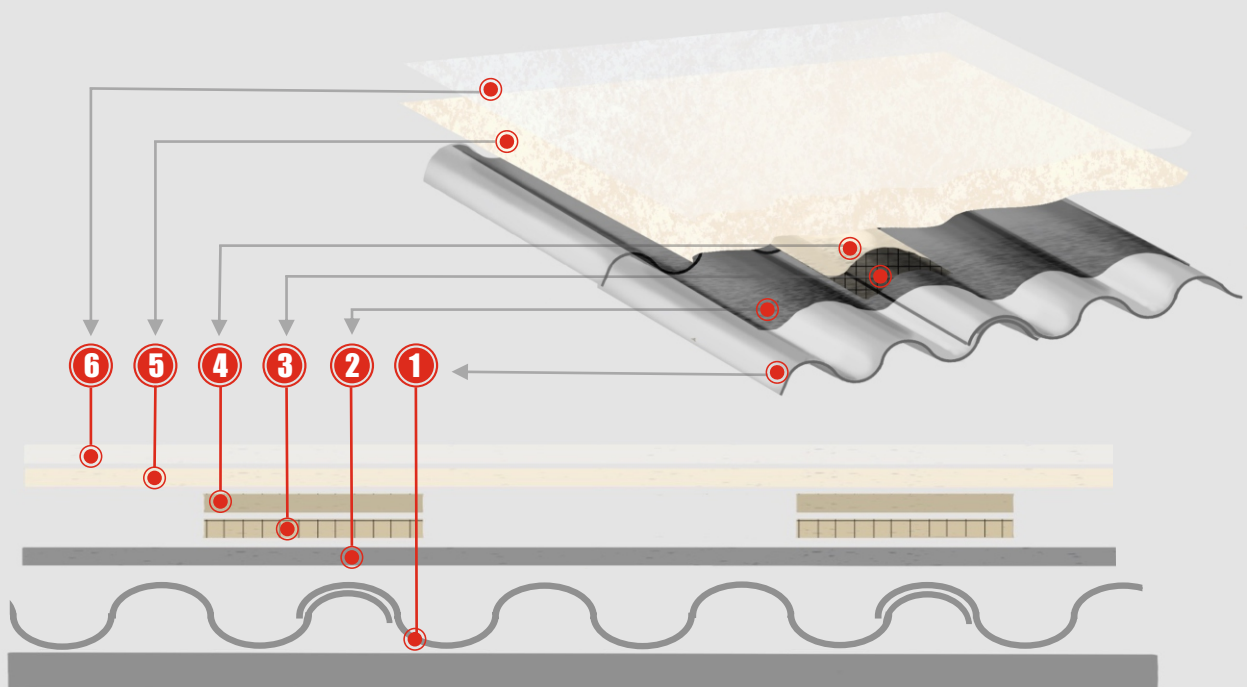
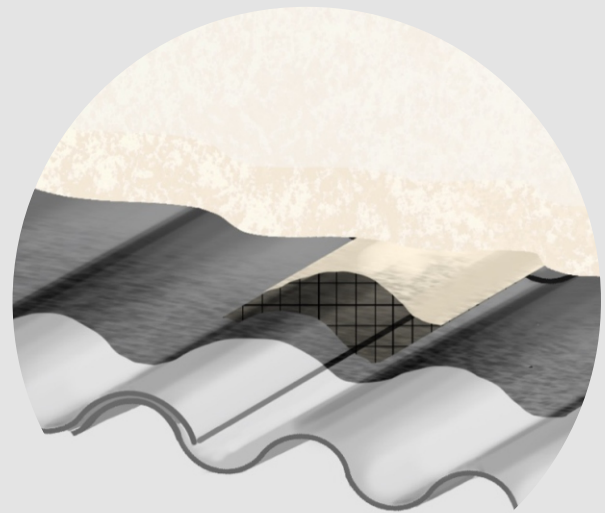
1 TOPCOAT ROOF SYSTEMS FOR ASBESTOS CEMENTOS ROOFS	
PRODUCTS	SYSTEM RF 201
	10 YEARS GUARANTEE
2 ROOFPRIME	0,6 lt / m ²
3 JOINTFABRIC	1,0 m ² /m ²
4 JOINTFILL (Sealing areas)	2,5 kg / m ²
5 ROOFCOAT	1,8 lt / m ²
6 TOPCOAT	0,6 lt / m ²
7 PENETCOAT (OPTIONAL)	0,3 lt / m ²
MATERIALS REQUIRED PER 1 M ²	



TOPCOAT ROOF SYSTEM FOR ASBESTOS CEMENTOS ROOFS

APPLICATION INSTRUCTION

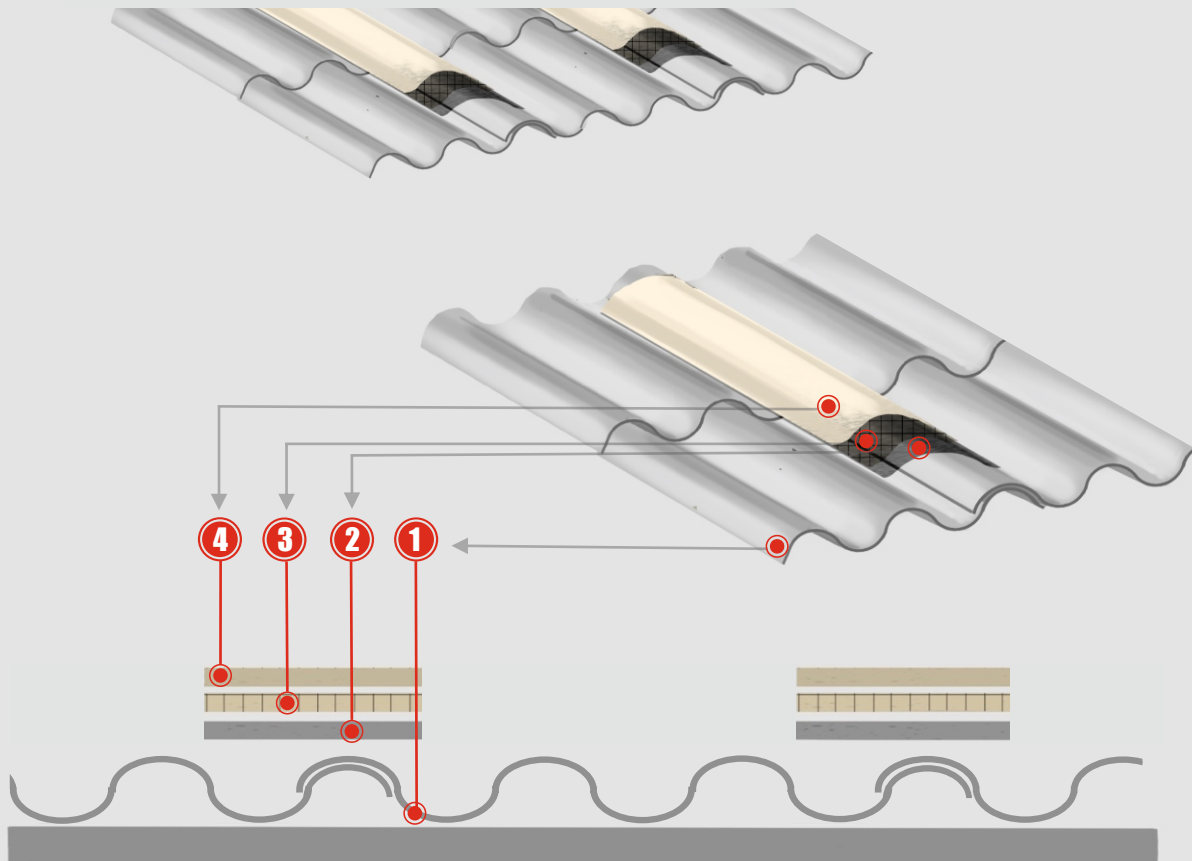
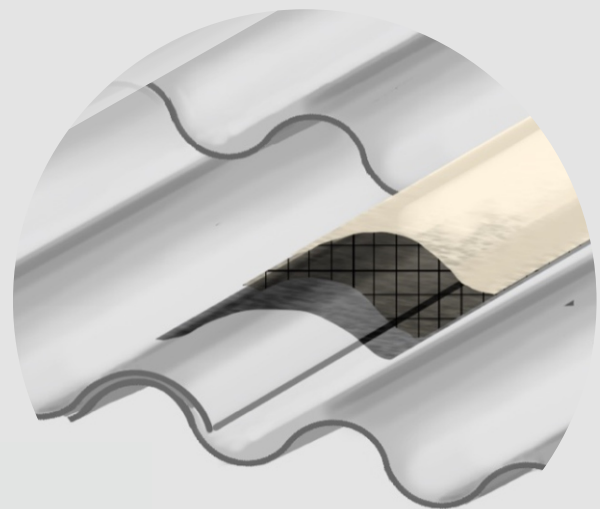
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TOPCOAT ROOF SYSTEMS FOR ASBESTOS CEMENT ROOFS	
PRODUCTS	SYSTEM RF 202
	5 YEARS GUARANTEE
2	ROOFPRIME 0,6 lt/ m2
3	JOINTFABRIC 1,0 m2/m2
4	JOINTFILL (Sealing areas) 2,5 kg / m2
5	TOPCOAT 0,8 lt / m2
6	PENETCOAT (OPTIONAL) 0,3 lt / m2
MATERIALS REQUIRED PER 1 M2	




TOPCOAT ROOF SYSTEM FOR ASBESTOS CEMENTOS ROOFS

APPLICATION INSTRUCTION

1	TOPCOAT ROOF SYSTEMS FOR ASBESTOS CEMENT ROOFS	
PRODUCTS	SYSTEM RF 203	
	2 YEARS GUARANTEE	
2	ROOFPRIME	0,6 lt/ m2
3	JOINTFABRIC	1,0 m2/m2
4	JOINTFILL (Sealing areas)	2,5 kg / m2
MATERIALS REQUIRED PER 1 M2		





INOVASTA TOPCOAT ROOF SYSTEM FOR ASBESTOS CEMENT ROOFS

STEP # 1 **PREPARE THE ROOF SURFACE**

METAL WORKS, CLEANING and PRIMING the ROOF

- Surface impurities such as loose rust and dirt must be removed. The asbestos sheets must be securely fastened together and any loose screws, bolts or other fasteners must be tightened.
- Previously applied all other materials will be cleaned over the roof and gutter. Asbestos joints will be checked again. If hard to remove from the roof cut the old materials and apply primer over it.
- For the SYSTEM RF 201 and RF 202 whole roof has to be primed by ROOFPRIME with a ratio of 0,6 lt / m². For SYSTEM RF 103, only the patching areas will be primed. ROOFPRIME will help to ease application because of its reflection function during the hot weather. It will be cured in 2 hours in hot weather.

STEP # 2 **SEAL THE FLASHINGS**

PATCH AND REPAIR WORKS

- Two materials will be used in the patch and repair process. JOINTFILL (Water-based, flexible and highly adhesive joint Patch and Filler) and JOINTFABRIC (Special glass fiber mesh)
- The list of areas to be patched and repaired are as follows.
- Screw Heads, Ridge joints, Clamp joints, Panel side finish sections, Panel overlaps, Gutter and panel junction areas, and the entire gutter, other areas considered to be the potential leakage area will be treated the same.
- The patching process will be done in two layers with JOINTFILL and JOINTFABRIC.
- The width of the JOINTFABRIC will change according to the application area. All of the gutter surfaces will be applied with JOINTFABRIC. Panel overlaps will be applied with 10 cm mesh. JOINTFABRIC application will change according to the size of the problem.
- The application of JOINTFILL will be an average of 2.5 Kg / m². JOINTFILL will be cured in 6-12 hours depending on the weather.

STEP # 3 **COAT THE ROOF**

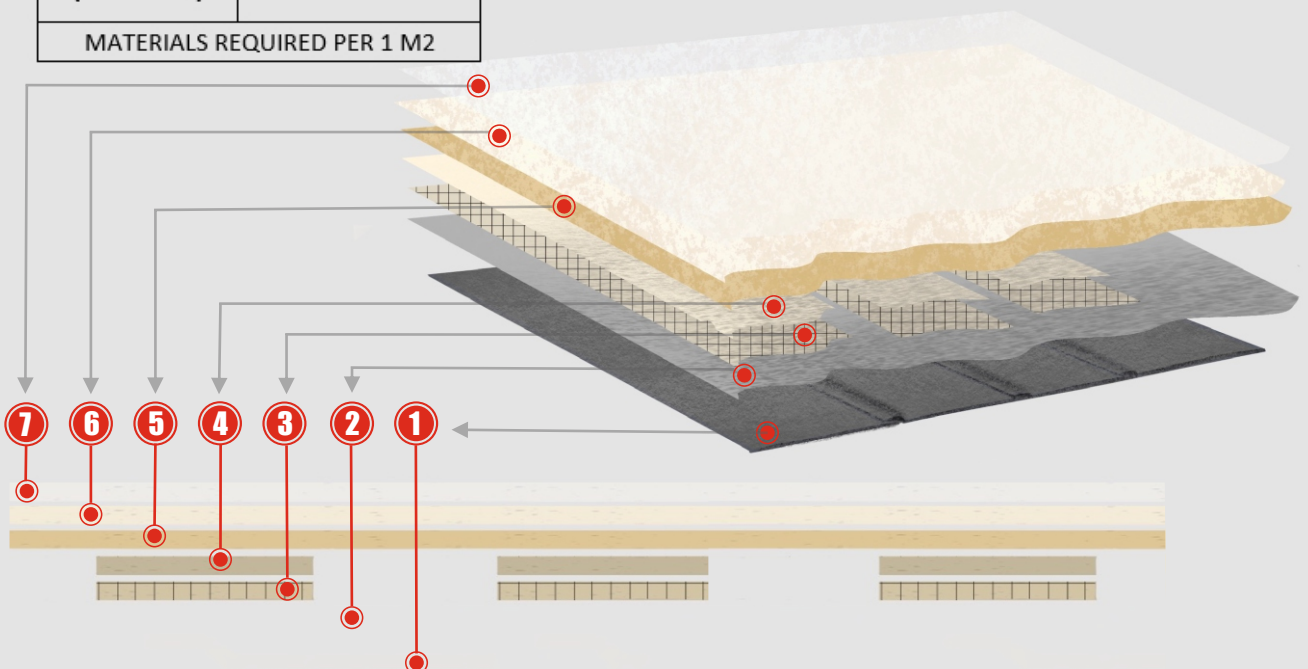
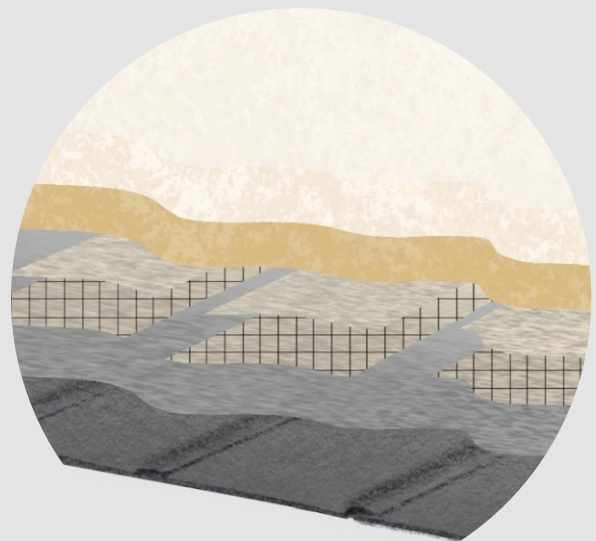
COATING AND FINISHING WORKS

- Immediately after the patch process, ROOFCOAT (Water-based fiber reinforced mineral-based Roof Covering) will be covered over the entire surface due to the purpose of completing the insulation and creating a seamless roof. The application will be made as 1.8 lt / m². This coating is included in all surfaces and parapets.
- As the last layer, TOPCOAT will be applied with a ratio of 0.6 lt / m². TOPCOAT will ensure additional reflection and protection from external factors. TOPCOAT will also provide a reflection of about 10 degrees of sun rays.
- Note that SYSTEM RF 202 AND SYSTEM RF 203 ROOFCOAT will not be used.

TOPCOAT ROOF SYSTEM FOR ASFALT (BITUMEN) ROOFS

APPLICATION INSTRUCTION

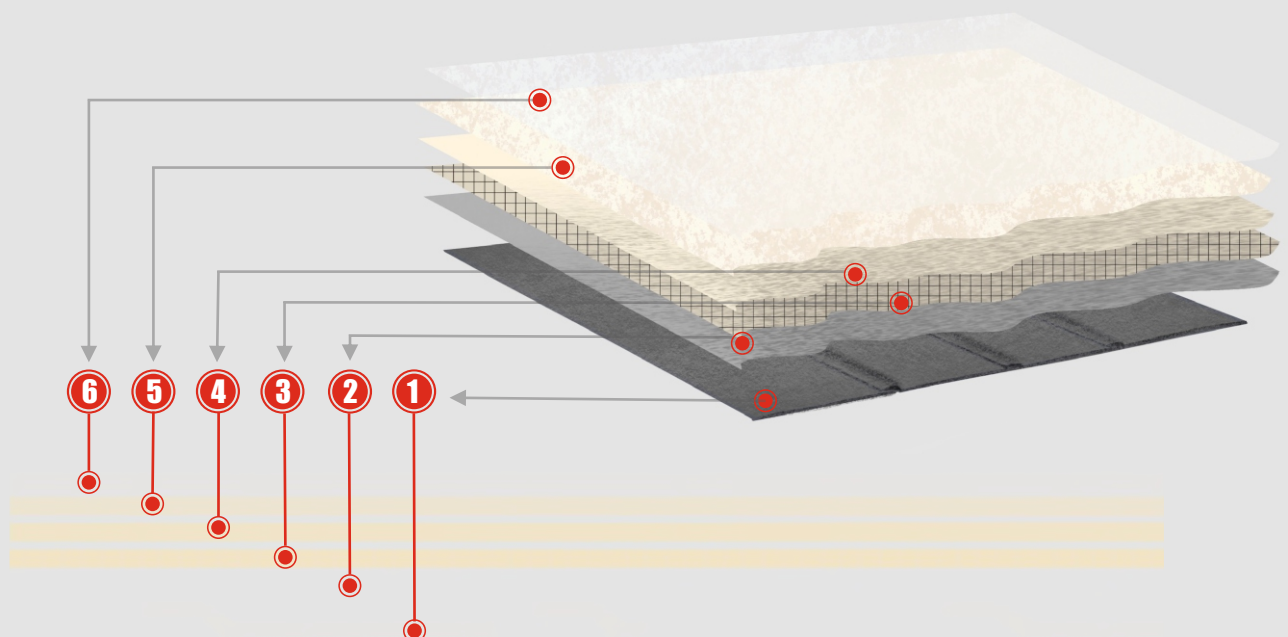
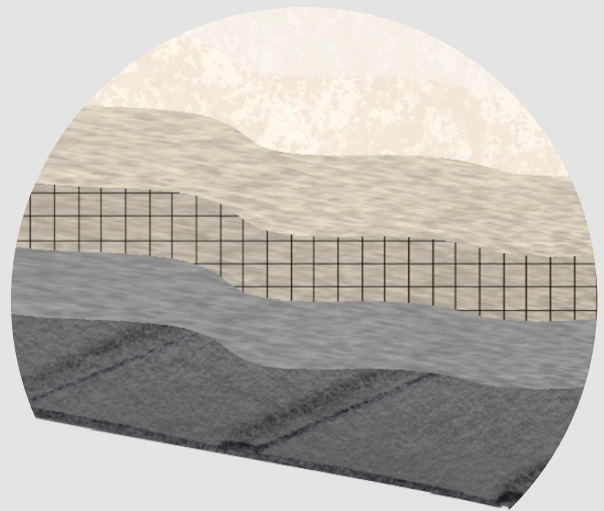
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	PRODUCTS	SYSTEM RF 301
		10 YEARS GUARANTEE
2	ROOFPRIME	0,8 lt / m ²
3	JOINTFABRIC	1,0 m ² /m ²
4	JOINTFILL (Sealing areas)	2,0 kg / m ²
5	ROOFCOAT	1,8 lt / m ²
6	TOPCOAT	0,6 lt / m ²
7	PENETCOAT (OPTIONAL)	0,3 lt / m ²
	MATERIALS REQUIRED PER 1 M ²	



TOPCOAT ROOF SYSTEM FOR ASFALT (BITUMEN) ROOFS

APPLICATION INSTRUCTION

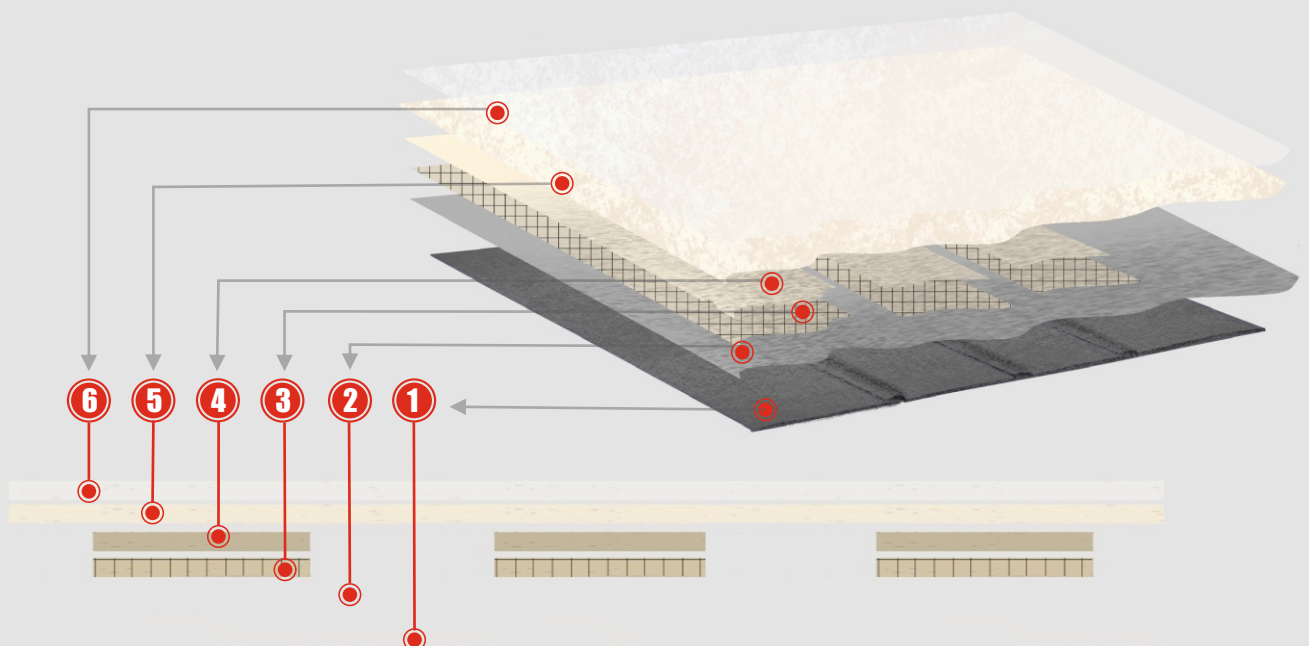
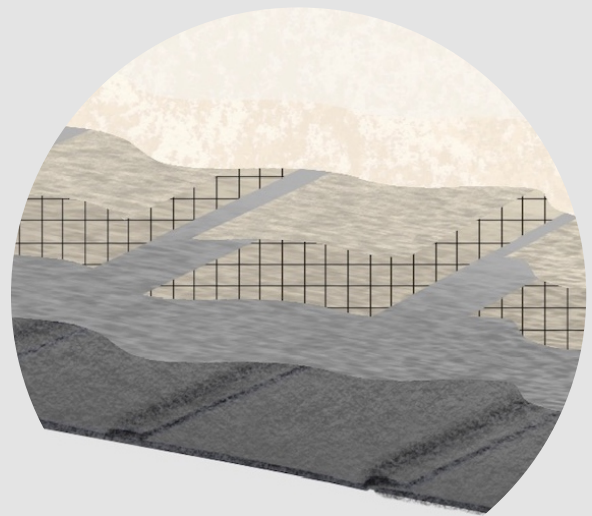
1	TOPCOAT ROOF SYSTEMS FOR ASFALT (BITUMEN) ROOFS	
	PRODUCTS	SYSTEM RF 302
		10 YEARS GUARANTEE
2	ROOFPRIME	0,8 lt / m ²
3	JOINTFABRIC	1,0 m ² /m ²
4	JOINTFILL	2,5 kg / m ²
5	TOPCOAT	0,6 lt / m ²
6	PENETCOAT (OPTIONAL)	0,3 lt / m ²
MATERIALS REQUIRED PER 1 M²		



TOPCOAT ROOF SYSTEM FOR ASFALT (BITUMEN) ROOFS

APPLICATION INSTRUCTION

1 TOPCOAT ROOF SYSTEMS FOR ASFALT (BITUMEN) ROOFS	
PRODUCTS	SYSTEM RF 303
	5 YEARS GUARANTEE
2 ROOFPRIME	0,8 lt/ m2
3 JOINTFABRIC	1,0 m2/m2
4 JOINTFILL (Sealing areas)	2,5 kg / m2
5 TOPCOAT	1,0 lt / m2
6 PENETCOAT (OPTIONAL)	0,3 lt / m2
MATERIALS REQUIRED PER 1 M2	



TOPCOAT ROOF SYSTEM FOR ASFALT (BITUMEN) ROOFS

APPLICATION INSTRUCTION

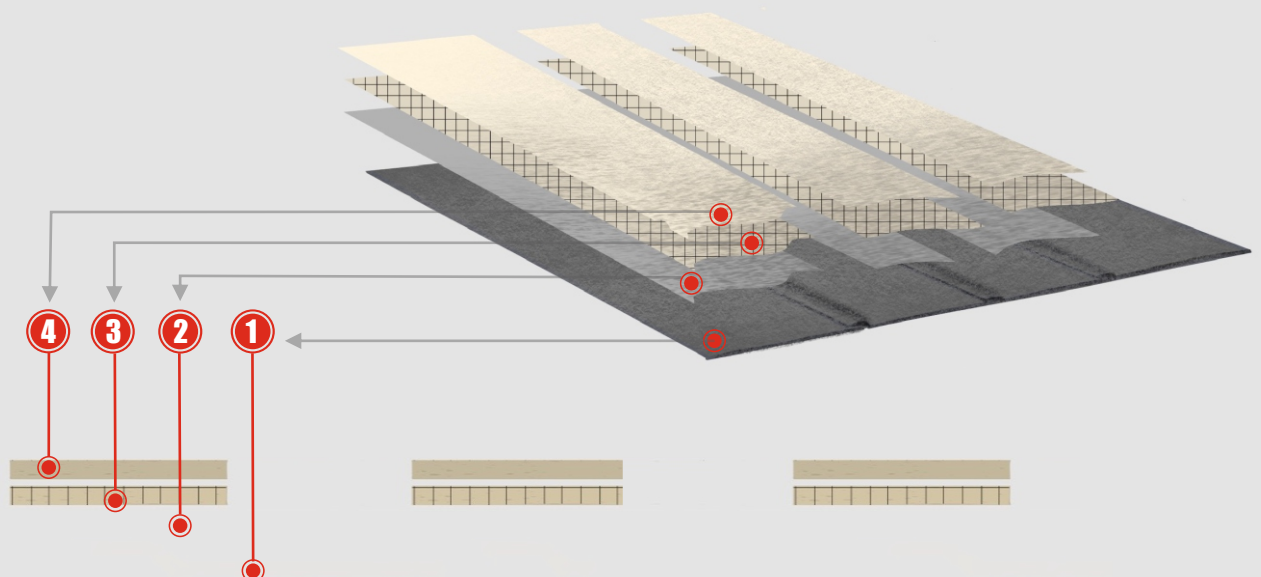
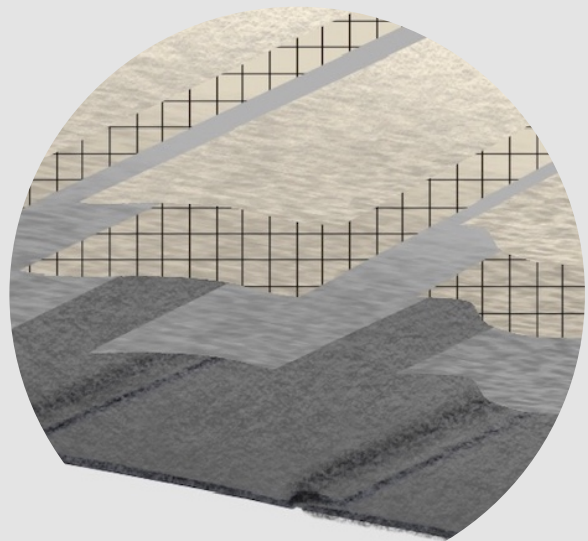
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TOPCOAT ROOF SYSTEMS FOR ASFALT (BITUMEN) ROOFS	
PRODUCTS	SYSTEM RF 304
	2 YEARS GUARANTEE
ROOFPRIME	0,8 lt/ m ²
JOINTFABRIC	1,0 m ² /m ²
JOINTFILL (Sealing areas)	2,5 kg / m ²
MATERIALS REQUIRED PER 1 M ²	

2

3

4





INOVASTA TOPCOAT ROOF SYSTEM FOR ASFALT (BITUMEN) ROOFS

APPLICATION INSTRUCTION

Proper preparation of the surface to be treated is an extremely important first step to successful performance. The following preparation must be performed before beginning installation:

The roof surface must be in generally sound condition. Do not apply a INOVASTA Topcoat System to an asphalt roof if the roof has been previously "cap sheeted" or if it has more than one built-up roof. Leaks must be well defined and correctable through normal patching procedures outlined below. If the asphalt surface has widespread embrittlement, or if leaks are not attributable to specific and correctable causes, do not proceed with installation. In addition, asphalt roofs that exhibit either existing or previously repaired long, straight, directional cracks or splitting through the entire thickness of the existing waterproofing membrane (commonly at laps in the roofing felts) can be maintained with a INOVASTA Topcoat System. Such a chase Please contact with INOVASTA headquarters to get an advice.

Insulation, if any, must be dry. The roof surface should drain water freely. Because standing water accelerates deterioration of all asphalt roofing products, every effort should be made to isolate and correct the causes of any standing or ponding water on the roof.

STEP # 1 PREPARE THE ROOF SURFACE

CLEANING and PRIMING the ROOF

- Smooth Surface or mineral Asphalt Roofs - The old surface must be thoroughly cleaned and must be free from all dust, dirt and loose debris. This is absolutely necessary for proper performance of INOVASTA Topcoat Roof Systems. On extremely dirty roofs, it is advisable to flush the surface with water, allowing the surface to dry thoroughly before proceeding with roofing work.
- Physical problems of the membranes such as open seams, waving, ballooning, and leveling has to be corrected.
- The tears in the metal foot bottoms will be corrected.
- Corrections will be made in areas with water or pots on the ground.
- Minerals over the Membranes will be cleaned with a hard brush. All kinds of dirt, mud, dust and other materials must be removed from the surface.
- For the all 4 SYSTEMS whole roof has to be primed by ROOFPRIME with a ratio of 0,8 lt / m². For SYSTEM RF 304, only the patching areas will be primed. It will be cured in 2 hours in hot weather.
- The product can also be sprayed with a spray machine, but it is also useful to apply it with a hard brush to better penetrate the surface.



INOVASTA TOPCOAT ROOF SYSTEM FOR ASFALT (BITUMEN) ROOFS

STEP # 2

SEAL THE FLASHINGS

PATCH AND REPAIR WORKS

- Two materials will be used in the patch and repair process. JOINTFILL (Water-based, flexible and highly adhesive joint Patch and Filler) and JOINTFABRIC (Special glass fiber mesh)
- The list of areas to be patched and repaired are as follows.
- Repair all blisters, deep cracks, split seams and other irregular problems with JOINTFILL and JOINTFABRIC.
- Edge of wall, skylight, pitch pan, vent pipe and other equipment has to be patch by JOINTFILL and JOINTFABRIC.
- The patching process will be done in two layers with JOINTFILL and JOINTFABRIC.
- The width of the JOINTFABRIC will change according to the application area. All of the gutter surfaces will be applied with JOINTFABRIC. Membranes overlaps will be applied with 10 cm mesh. Wall and surface areas JOINTFABRIC application will be minimum 30 cm. JOINTFABRIC application will change according to the size of the problem.
- The application of JOINTFILL will be an average of 2.5 Kg / m². JOINTFILL will be cured in 12 hours depending on the weather.

STEP # 3

COAT THE ROOF

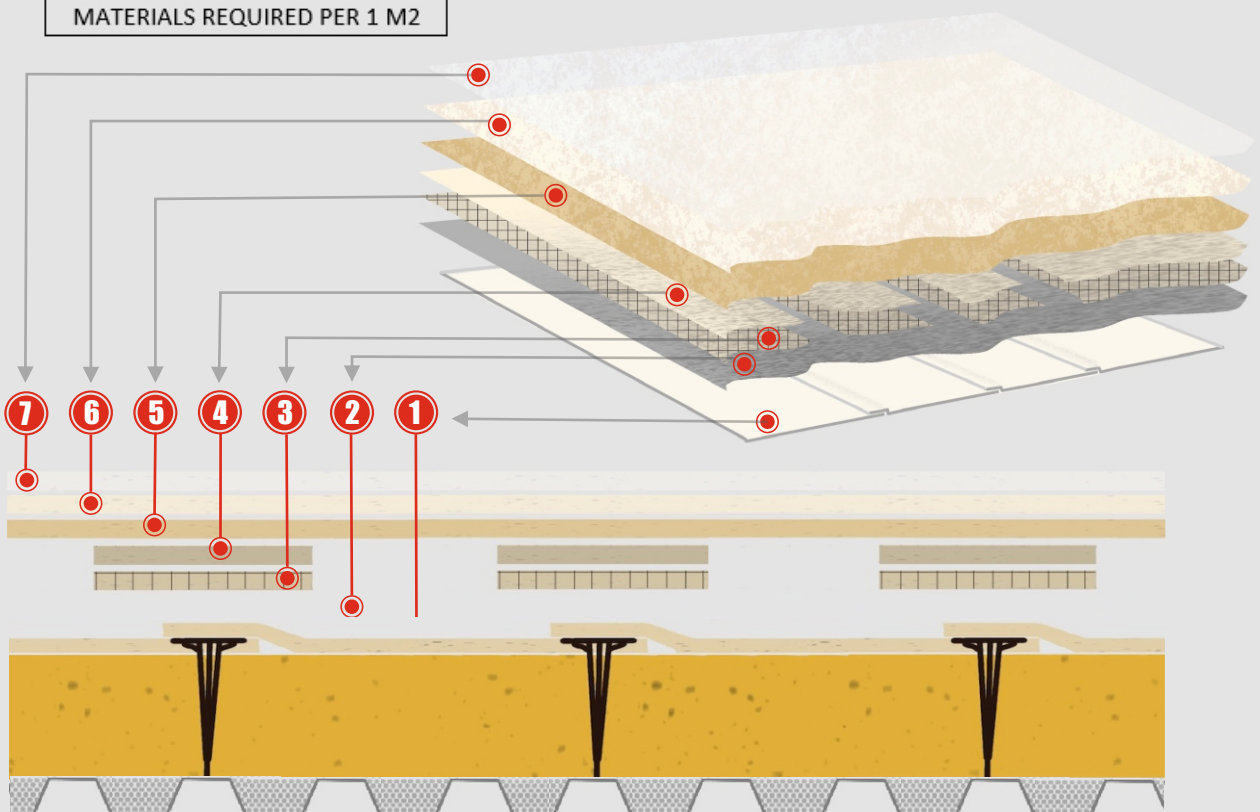
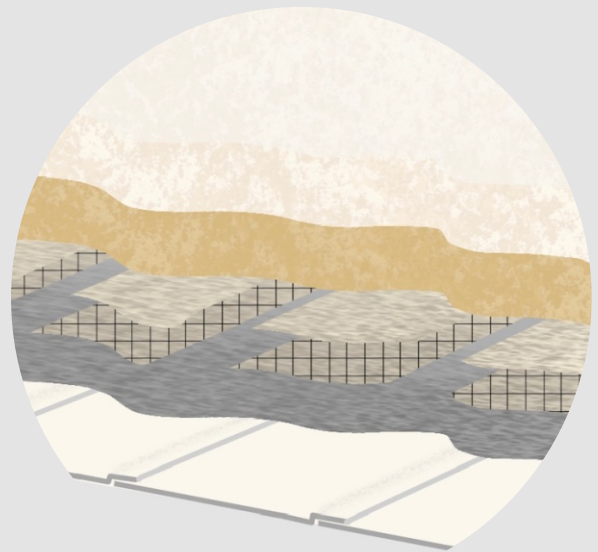
COATING AND FINISHING WORKS

- Immediately after the patch process, ROOFCOAT will be covered over the entire surface due to the purpose of completing the insulation and creating a seamless roof. The application will be made as 1.8 lt / m². This coating is included in all surfaces and parapets.
- As the last layer, TOPCOAT will be applied with a ratio of 0.6 lt / m². TOPCOAT will ensure additional reflection and protection from external factors. TOPCOAT will also provide a reflection of about 10 degrees of sun rays.
- Note that SYSTEMS RF 302, RF 303 and RF 304 ROOFCOAT will not be used.

TOPCOAT ROOF SYSTEM FOR (PVC, TPO, EPDM) ROOFS

APPLICATION INSTRUCTION

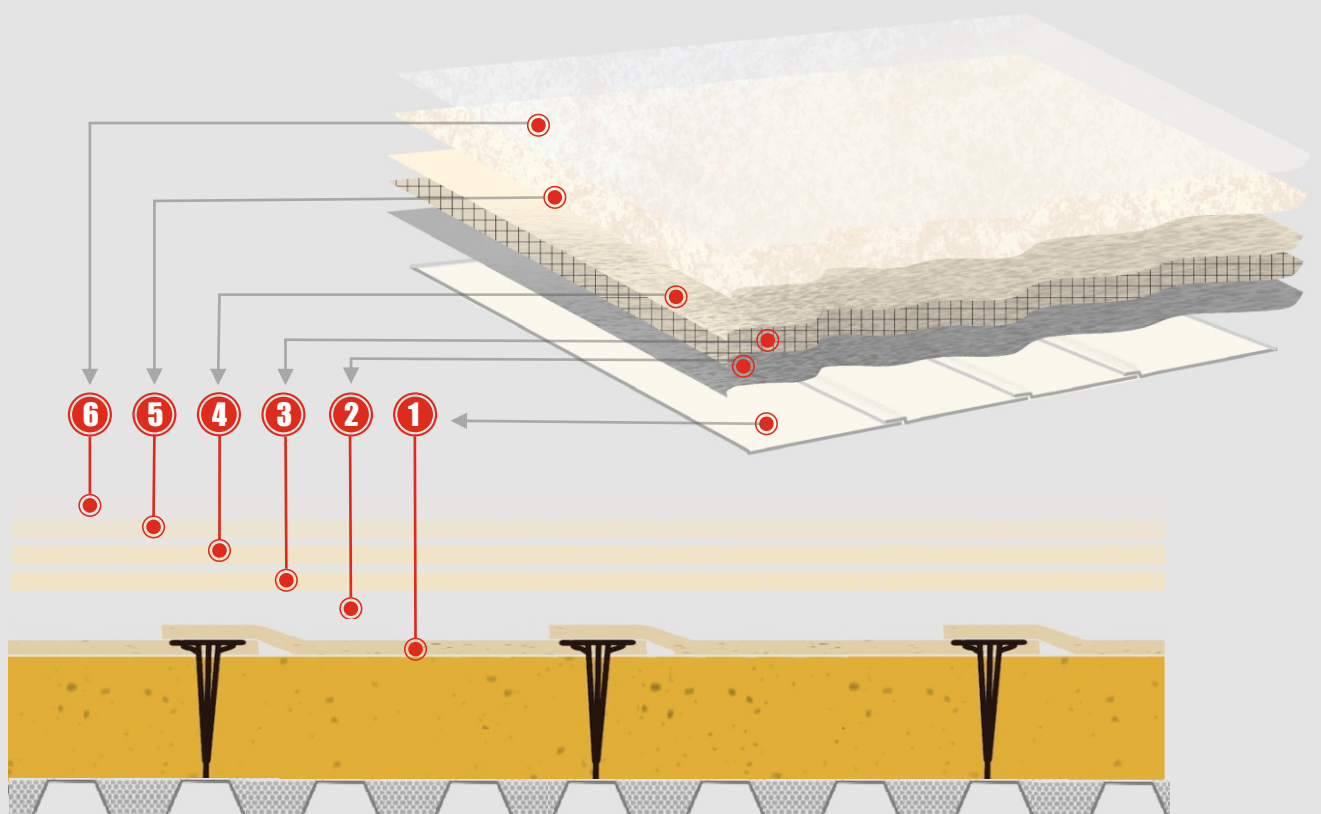
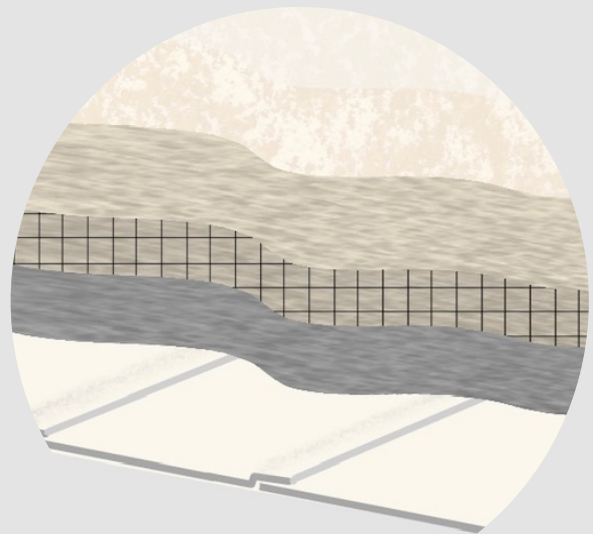
1	TOPCOAT ROOF SYSTEMS FOR (PVC, TPO, EPDM) ROOFS	
	PRODUCTS	SYSTEM RF 401
		10 YEARS GUARANTEE
2	ROOFPRIME	0,5 lt / m ²
3	JOINTFABRIC	1,0 m ² /m ²
4	JOINTFILL (Sealing areas)	2,0 kg / m ²
5	ROOFCOAT	1,8 lt / m ²
6	TOPCOAT	0,6 lt / m ²
7	PENETCOAT (OPTIONAL)	0,3 lt / m ²
MATERIALS REQUIRED PER 1 M²		



TOPCOAT ROOF SYSTEM FOR (PVC, TPO, EPDM) ROOFS

APPLICATION INSTRUCTION

1	TOPCOAT ROOF SYSTEMS FOR (PVC, TPO, EPDM) ROOFS	
	PRODUCTS	SYSTEM RF 402
		10 YEARS GUARANTEE
2	ROOFPRIME	0,5 lt / m ²
3	JOINTFABRIC	1,0 m ² /m ²
4	JOINTFILL	2,5 kg / m ²
5	TOPCOAT	0,6 lt / m ²
6	PENETCOAT (OPTIONAL)	0,3 lt / m ²
MATERIALS REQUIRED PER 1 M ²		



TOPCOAT ROOF SYSTEM FOR (PVC, TPO, EPDM) ROOFS

APPLICATION INSTRUCTION

1

**TOPCOAT ROOF SYSTEMS FOR
(PVC, TPO, EPDM) ROOFS**

PRODUCTS

SYSTEM RF 403

5 YEARS
GUARANTEE

2

ROOFPRIME

0,5 lt / m²

3

JOINTFABRIC

1,0 m²/m²

4

**JOINTFILL
(Sealing
areas)**

2,5 kg / m²

5

TOPCOAT

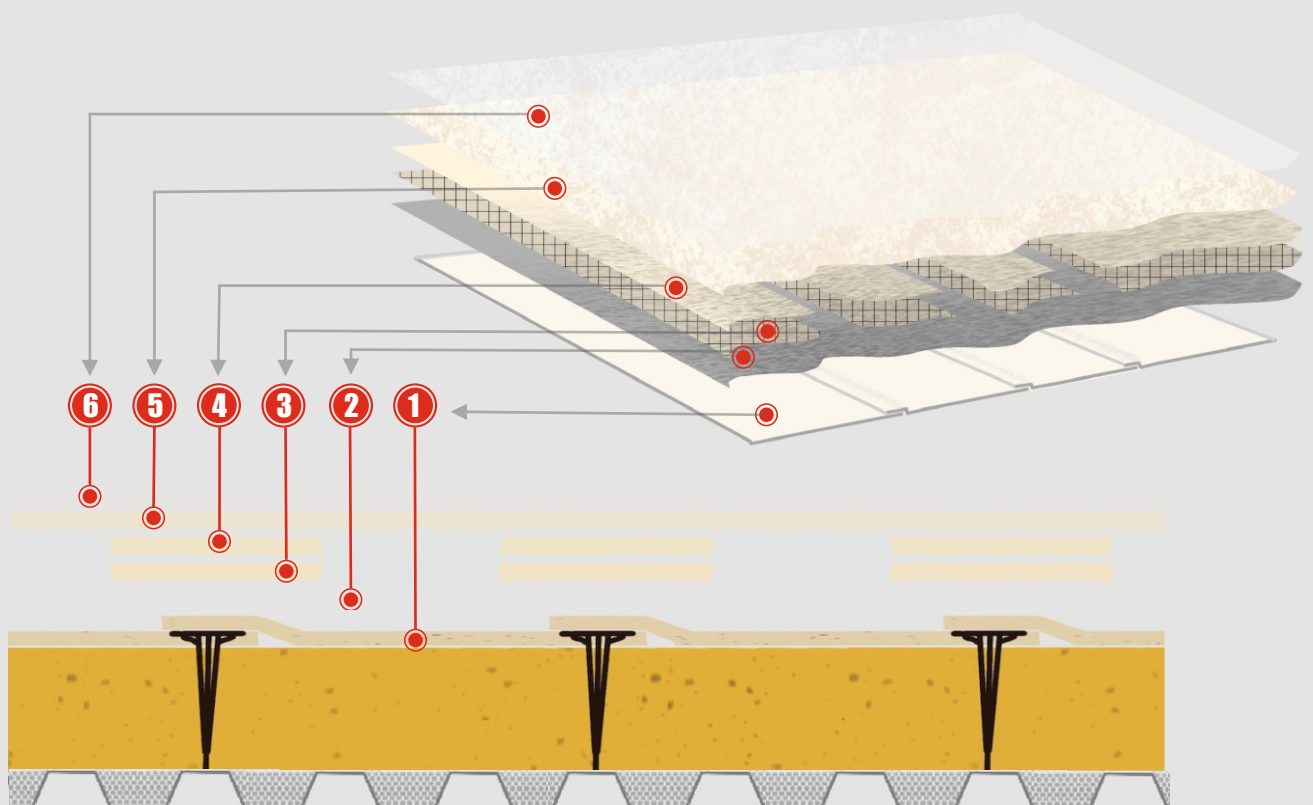
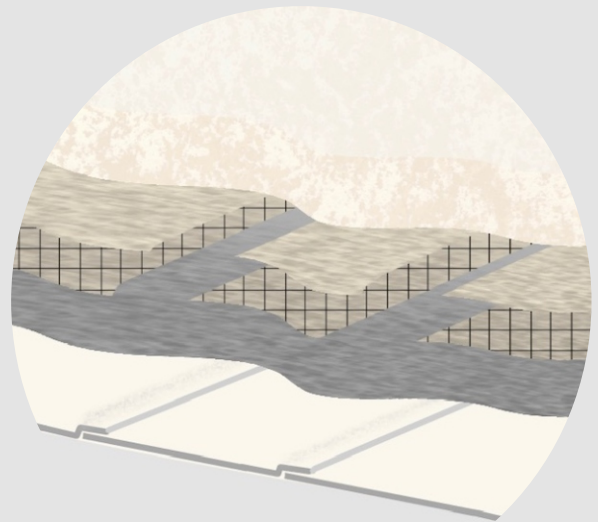
1,0 lt / m²

6

**PENETCOAT
(OPTIONAL)**

0,3 lt / m²

MATERIALS REQUIRED PER 1 M²



TOPCOAT ROOF SYSTEM FOR (PVC, TPO, EPDM) ROOFS

APPLICATION INSTRUCTION

1

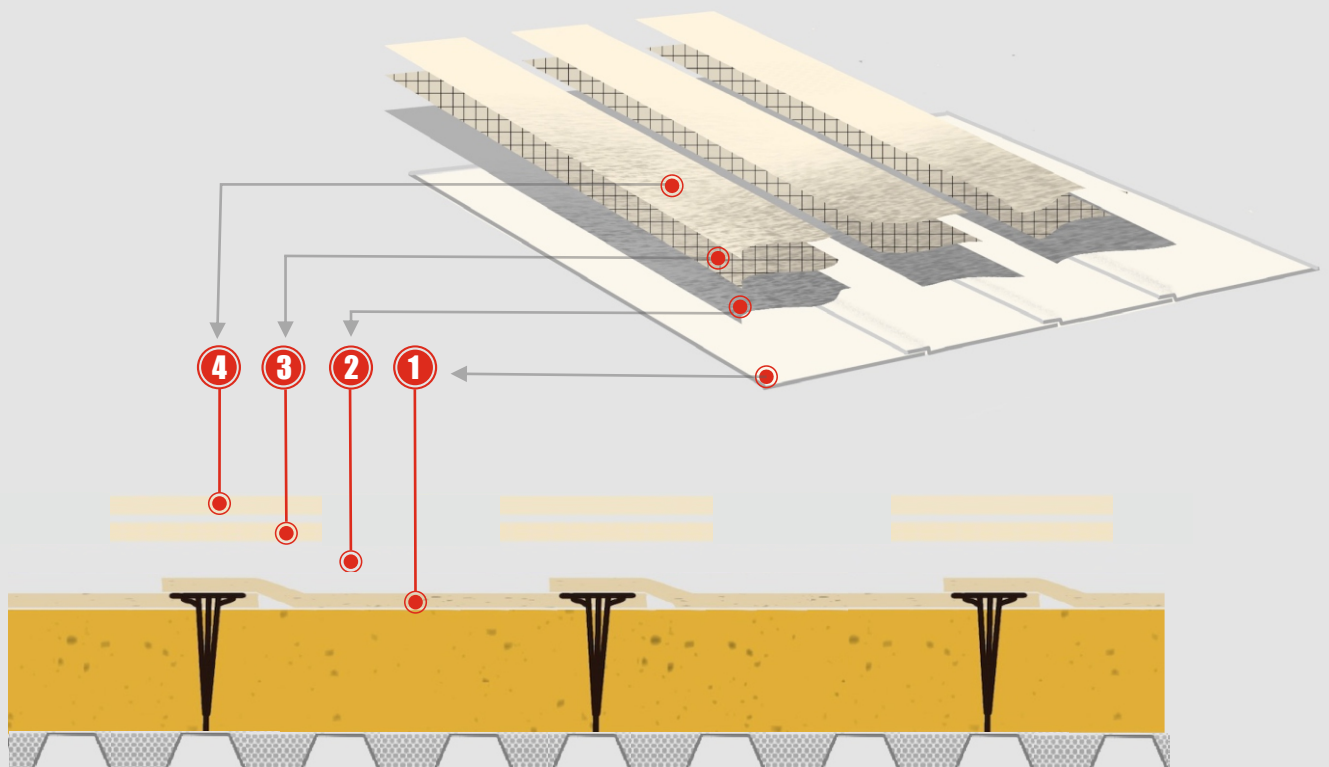
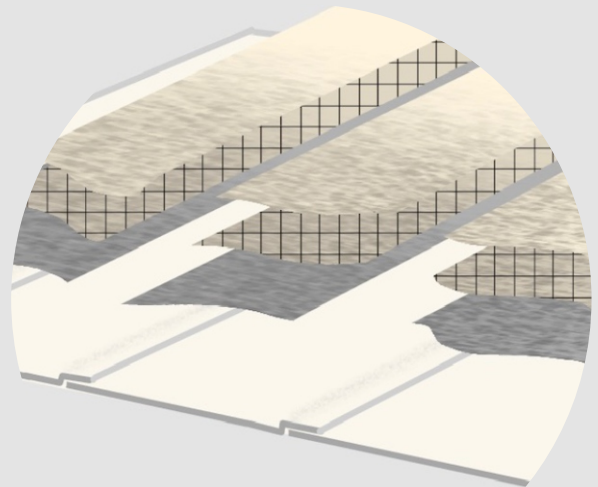
**TOPCOAT ROOF SYSTEMS FOR
(PVC, TPO, EPDM) ROOFS**

PRODUCTS	SYSTEM RF 404
	2 YEARS GUARANTEE
ROOFPRIME	0,5 lt/ m2
JOINTFABRIC	1,0 m2/m2
JOINTFILL (Sealing areas)	2,5 kg / m2
MATERIALS REQUIRED PER 1 M2	

2

3

4





INOVASTA TOPCOAT ROOF SYSTEM FOR PVC, TPO, EPDM ROOFS

APPLICATION INSTRUCTION

Before beginning installation of the system, you must confirm that the roof meets the following requirements. The INOVASTA TOPCOAT Roof System is designed for use on smooth and granule surface asphalt, PVC, TPO, FPO, EPDM single or multi-ply modified bitumen roofs and sprayed-in-place polyurethane foam roofs. The existing surface should be sound and stable.

It should not be applied to roofs that are severely deteriorated; roofs with widespread embrittlement; roofs with wet insulation or rotting felts; roofs that exhibit either existing or previously repaired long, straight, directional cracks or splitting through the entire thickness of the membrane; roofs with random leaking not attributable to specific and correctable causes; or structures with more than one existing roof.

A core cut into the existing roof may be necessary to determine if more than one roof exists. After the existence of only one roofing membrane has been confirmed, proper repair of the cut area is important.

Proper drainage must exist. A minimum slope (2%) is recommended. If proper drainage does not exist, additional drains must be provided.

If the roof has been coated, a small area should be tested for compatibility and adhesion before proceeding with the complete installation.

STEP #1 PREPARE THE ROOF SURFACE

CLEANING and PRIMING the ROOF

- Thorough cleaning of roof is required to insure a good bond for repair materials. Remove all dirt, grease, dust, debris or other contaminants which might inhibit proper bonding by vigorous sweeping. If the existing surface cannot be thoroughly cleaned by sweeping alone, power blowers and power brooms can help. Very dirty urethane foam roofs may need to be brushed with wire bristle brooms. Where there is danger of leakage if water is used, compressed air combined with vigorous brooming can be substituted.
- Physical problems of the membranes such as open seams, waving, ballooning, and leveling has to be corrected.
- The tears in the metal foot bottoms will be corrected.
- Corrections will be made in areas with water or pots on the ground.
- Minerals over the Membranes will be cleaned with a hard brush. All kinds of dirt, mud, dust and other materials must be removed from the surface.
- For the all 4 SYSTEMS whole roof has to be primed by ROOFPRIME with a ratio of 0,5 lt / m². For SYSTEM RF 404, only the patching areas will be primed. It will be cured in 2 hours in hot weather.
- The product can also be sprayed with a spray machine, but it is also useful to apply it with a hard brush to better penetrate the surface.



INOVASTA TOPCOAT ROOF SYSTEM FOR PVC, TPO, EPDM ROOFS

STEP # 2

SEAL THE FLASHINGS

PATCH AND REPAIR WORKS

- Two materials will be used in the patch and repair process. JOINTFILL (Water-based, flexible and highly adhesive joint Patch and Filler) and JOINTFABRIC (Special glass fiber mesh)
- The list of areas to be patched and repaired are as follows.
- Repair all blisters, deep cracks, split seams and other irregular problems with JOINTFILL and JOINTFABRIC.
- Edge of wall, skylight, pitch pan, vent pipe and other equipment has to be patch by JOINTFILL and JOINTFABRIC.
- The patching process will be done in two layers with JOINTFILL and JOINTFABRIC.
- The width of the JOINTFABRIC will change according to the application area. All of the gutter surfaces will be applied with JOINTFABRIC. Membranes overlaps will be applied with 10 cm mesh. Wall and surface areas JOINTFABRIC application will be minimum 30 cm. JOINTFABRIC application will change according to the size of the problem.
- The application of JOINTFILL will be an average of 2.5 Kg / m². JOINTFILL will be cured in 12 hours depending on the weather.

STEP # 3

COAT THE ROOF

COATING AND FINISHING WORKS

- Immediately after the patch process, ROOFCOAT will be covered over the entire surface due to the purpose of completing the insulation and creating a seamless roof. The application will be made as 1.8 lt / m². This coating is included in all surfaces and parapets.
- As the last layer, TOPCOAT will be applied with a ratio of 0.6 lt / m². TOPCOAT will ensure additional reflection and protection from external factors. TOPCOAT will also provide a reflection of about 10 degrees of sun rays.
- Note that SYSTEMS RF 302, RF 303 and RF 304 ROOFCOAT will not be used.



INOVASTA BUILT-UP ROOF SYSTEM VERSATILITY FOR BOTH REROOFING AND NEW ROOFING

INOVASTA Built-Up Roof Systems provides the versatility needed to meet the varying and demanding requirements of modern roof construction. Each INOVASTA Built-Up Roof System has been designed specifically for the application recommended, resulting in optimum performance and economy. Each system combines the use of a variety of the finest premium quality cold process roofing materials; materials especially formulated with select raw materials and additives to achieve improved strength, flexibility and weather resistance.

INOVASTA Built-Up Roof Systems used for if the existing roof cannot be repair and if there is new project will be construct. Built of Roof systems provides many different solutions by using INOVASTA' s lightweight, durable and fine products. Because INOVASTA BUILT-UP ROOF SYSTEMS require no gravel, they are very lightweight, and allow a more economical support structure to be utilized beneath the roof deck The light weight of these systems also combats roof sagging, often caused by excess weight on the deck, and helps prevent ponding and drainage problems.

INOVASTA BUILT-UP ROOF SYSTEMS last because they're made with products especially formulated to stand up to the elements. The inherent flexibility of the systems allows them to better withstand normal roof stresses. Because they are less susceptible to destructive solar radiation, rain, oxidation and freezing weather, INOVASTA Built-Up Roofs are performing well long after others have failed.

The long life of INOVASTA BUILT-UP ROOF SYSTEMS makes them more economical than other new roofing techniques. To put the cost of any roofing technique in its true perspective, overall performance and life expectancy should be major considerations.

The durability of INOVASTA BUILT-UP ROOF SYSTEMS keeps the need for maintenance to a minimum. However, should maintenance ever be required, it can be accomplished quickly and easily using INOVASTA Roof Maintenance Products. Areas in need of maintenance are easily found and repaired because there is no gravel to hide the problem and none to remove before making repairs.



INOVASTA BUILT-UP ROOF SYSTEM VERSATILITY FOR BOTH REROOFING AND NEW ROOFING

LUMBER SHEATHING DECKS:

Shall be fastened to with standard roofing nails with barbed shank or as recommended by manufacturer.

CAST-IN-PLACE GYPSUM DECKS:

Shall be fastened to with hollow cone shank fastener; hardened split shank nail, two-piece tube nail or other nails recommended by manufacturer.

PRECAST GYPSUM PLANK:

Shall be fastened to with a hardened split shank nail, threaded roof nail either annular ring or spiral threaded, two-piece tube nail or as recommended by manufacturer.

LIGHTWEIGHT INSULATING CONCRETE:

Shall be fastened to with a split shank fastener or as recommended by manufacturer.

CAST-IN-PLACE CONCRETE, PRECAST/PRECAST PRESTRESSED DECKS:

Can be fastened to with coarse thread screws after predrilling holes.

METAL DECKS:

Shall be fastened to with a spring steel barbed clip, hardened steel serrated nail, or threaded self-tapping screw with a minimum 7 cm diameter steel plate or as recommended by manufacturer.



INOVASTA BUILT-UP ROOF SYSTEM VERSATILITY FOR BOTH REROOFING AND NEW ROOFING

CONVENTIONAL RIGID BOARD INSULATION (ON DECK):

Shall be dimensionally stable, able to resist horizontal shear due to movements in the deck, able to withstand compression loads due to deck traffic and hail impact.

Insulation shall be kept dry at all times; all wet or damaged boards shall be rejected.

Approved types of rigid board insulation include cellular glass, fiberglass, perlite, wood fiber board (coated on 6 sides), polyurethane (rigid board only— not sprayed in place), and composite board manufactured from a combination of any of these acceptable types. Other insulations may be submitted to INOVASTA for evaluation. Proper attachment of rigid board insulation is essential to providing protection against wind uplift and stress concentrations. Installation of rigid board insulation shall be as directed by the manufacturer.

FLASHINGS:

Shall be designed according to good engineering practice to seal vulnerable interruptions in waterproofing applications.

CONTROL JOINTS:

The need for and location of control joints (expansion joints) shall be determined by sound engineering criteria and good engineering judgment.

CANT STRIPS:

Cant strips must be provided at all wall flashing area. Can strip can be made by wood or any other material.

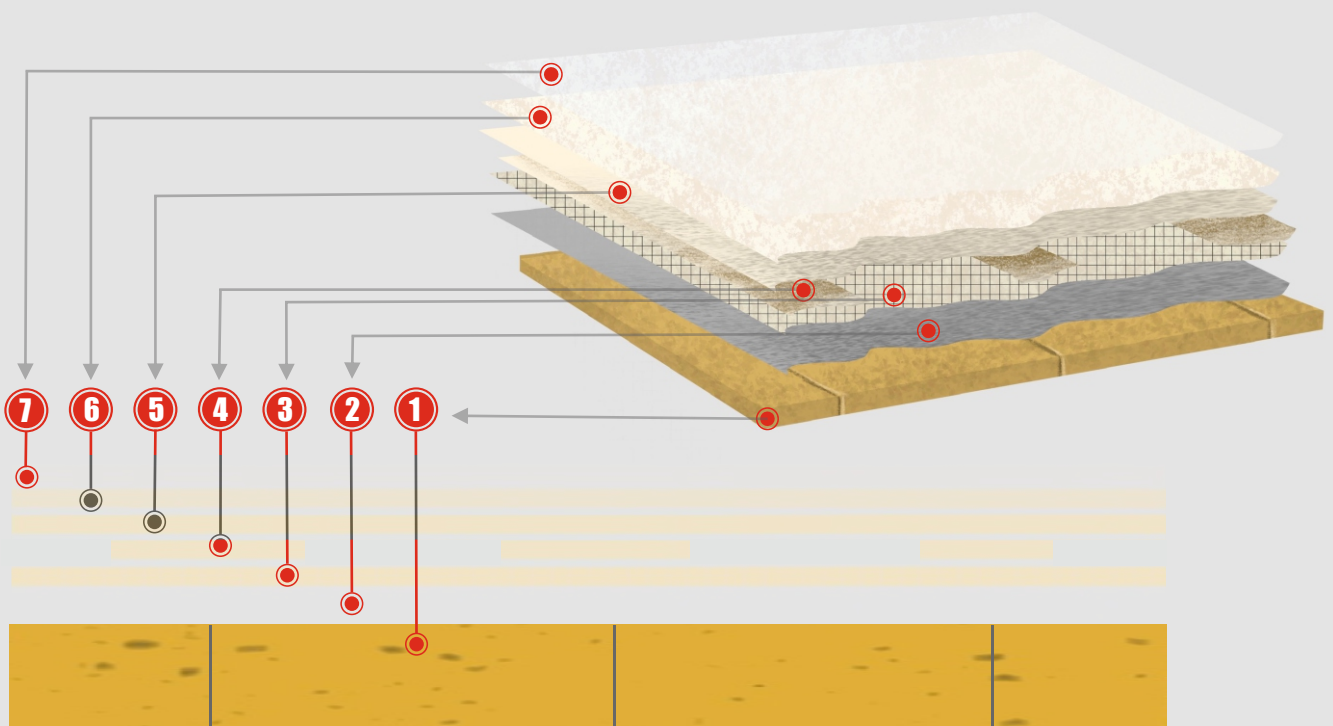
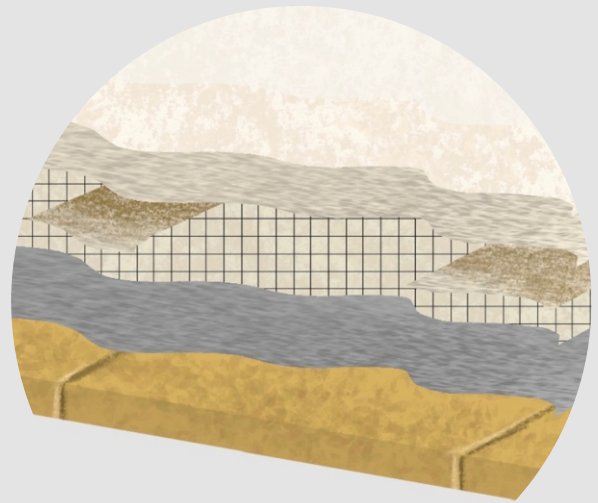
VENTING

Ventilation shall be provided for bare-concrete, concrete panels, and wooden panels.

BUILT-UP ROOF SYSTEM OVER WOODEN, CONCRETE GYPSUM PANEL

APPLICATION INSTRUCTION

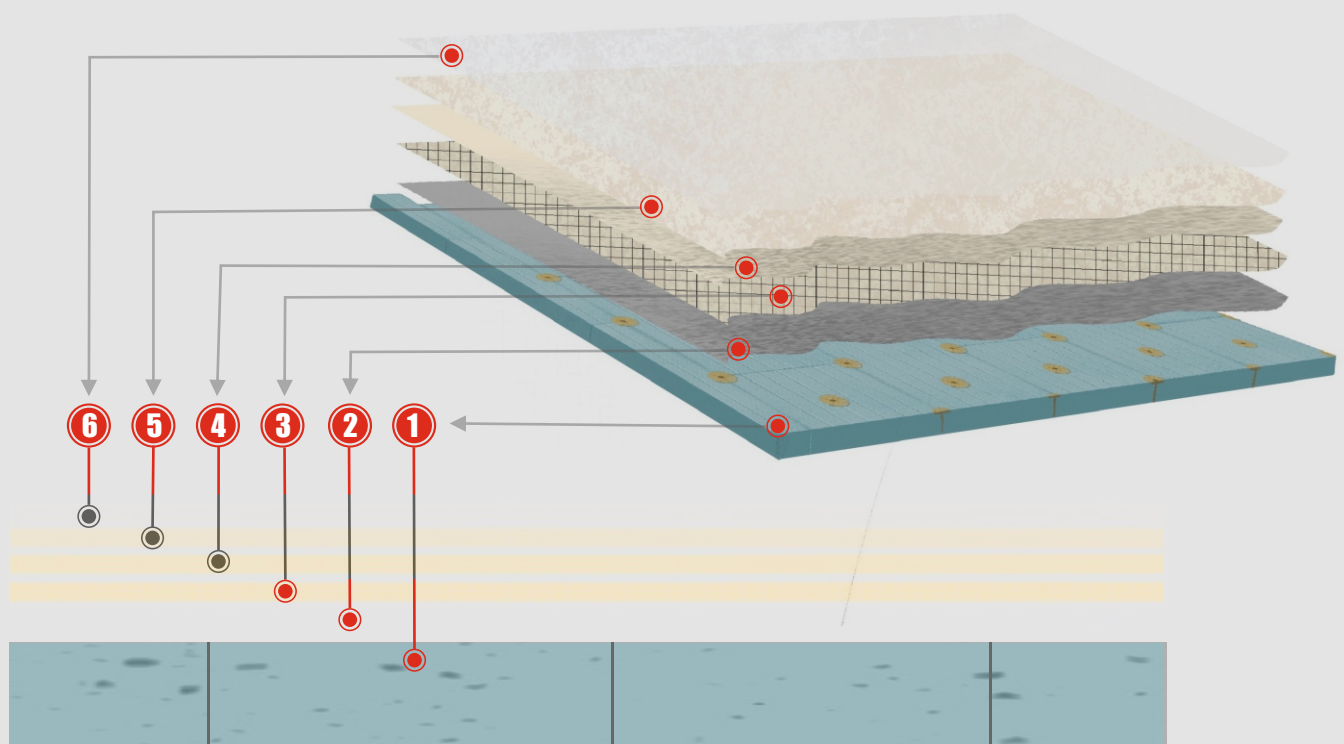
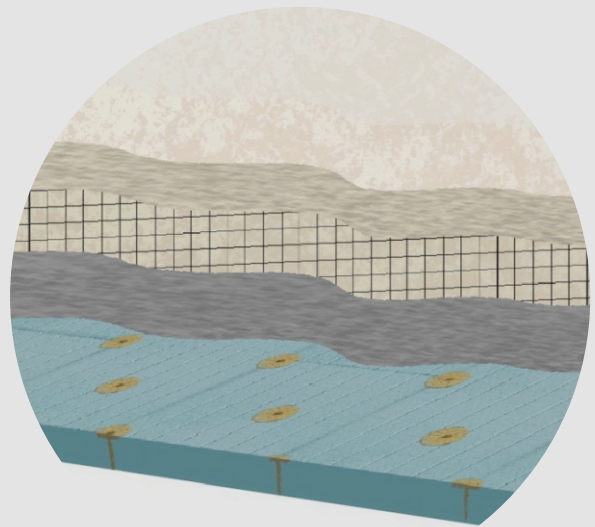
1 BUILT-UP ROOF SYSTEMS OVER WOODEN, CONCRETE, GYPSUM PANEL	
PRODUCTS	SYSTEM RF 501
	8 YEARS GUARANTEE
2 ROOFPRIME	0,4 lt / m ²
3 JOINTFABRIC	1,0 m ² /m ²
4 JOINTFILL (Sealing areas)	2,5 kg / m ²
5 JOINTFILL	2,5 kg / m ²
6 TOPCOAT	0,5 lt / m ²
7 PENETCOAT	0,3 lt / m ²
MATERIALS REQUIRED PER 1 M ²	



BUILT-UP ROOF SYSTEM OVER THERMAL INSULATION BOARDS XPS, EPS, PU BOARDS

APPLICATION INSTRUCTION

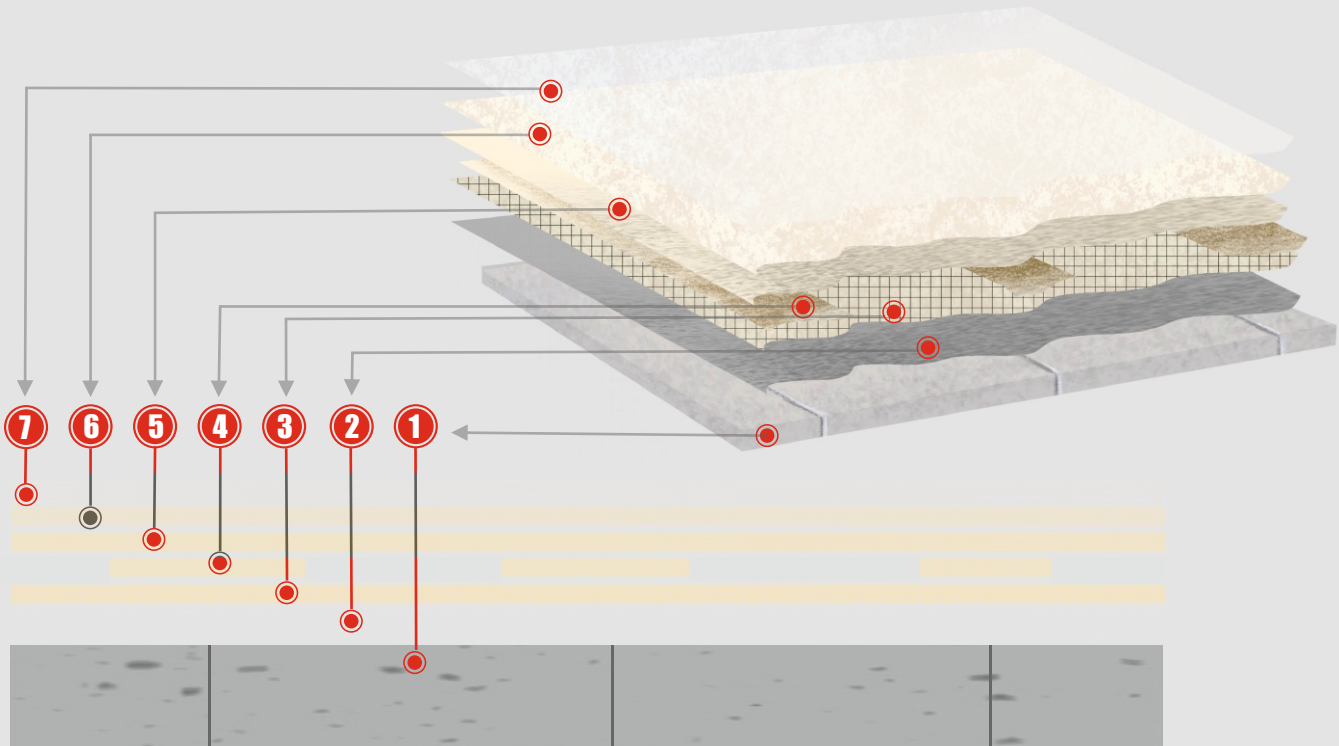
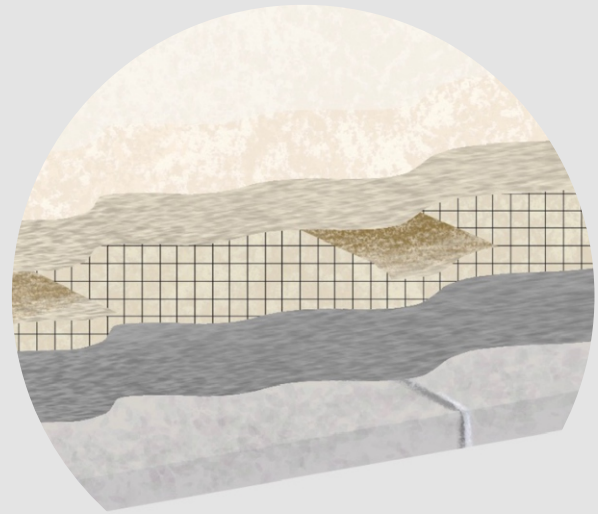
1	BUILT-UP ROOF SYSTEMS OVER THERMAL INSULATION BOARDS (EPS, XPS, PU BOARD)	
	PRODUCTS	SYSTEM RF 502 8 YEARS GUARANTEE
2	ROOFPRIME	0,4 lt / m ²
3	JOINTFABRIC	1,0 m ² /m ²
4	JOINTFILL (Sealing areas)	2,5 kg / m ²
	JOINTFILL	2,5 kg / m ²
5	TOPCOAT	0,5 lt / m ²
6	PENETCOAT	0,3 lt / m ²
MATERIALS REQUIRED PER 1 M²		



BUILT-UP ROOF SYSTEM OVER BARE CONCRETE

APPLICATION INSTRUCTION

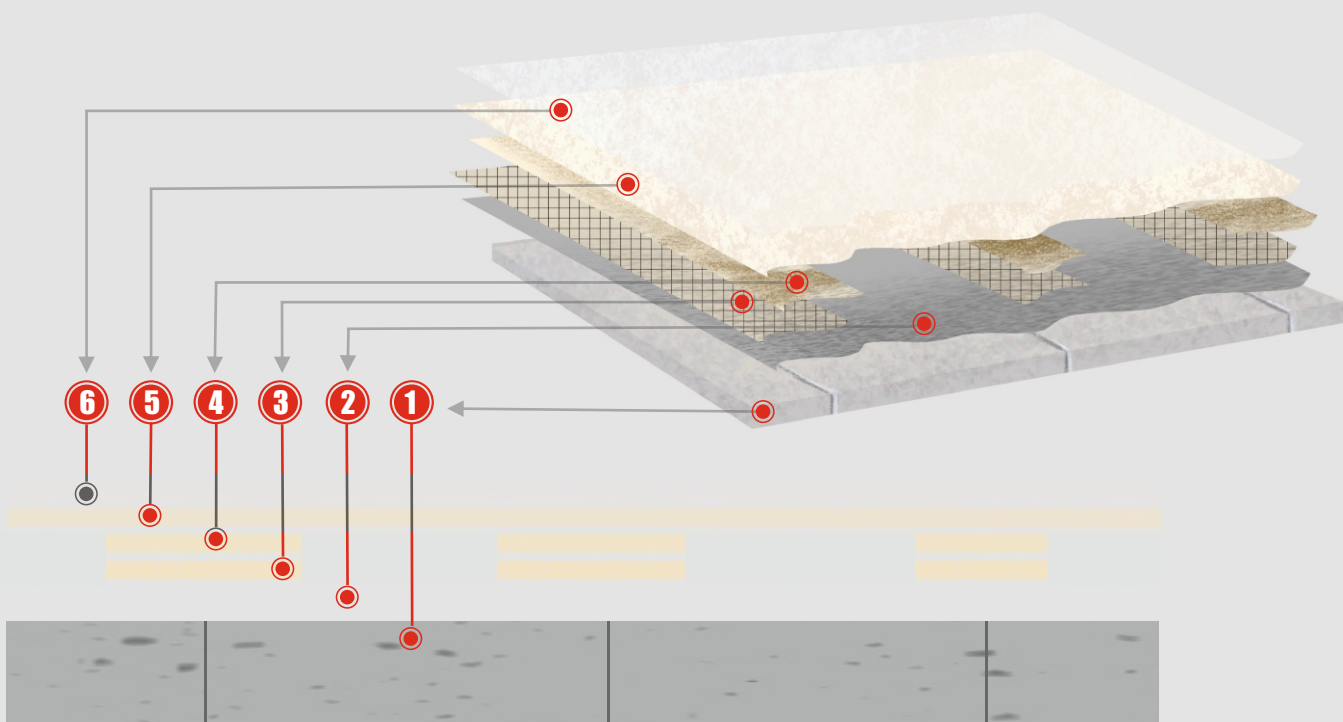
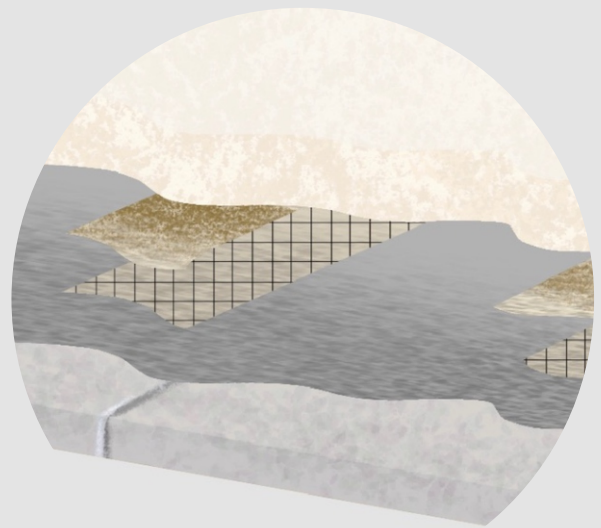
1	BUILT-UP ROOF SYSTEMS OVER BARE CONCRETE	
	PRODUCTS	SYSTEM RF 601
		10 YEARS GUARANTEE
2	ROOFPRIME	0,6 lt / m ²
3	JOINTFABRIC	1,0 m ² /m ²
4	JOINTFILL (Sealing areas)	2,5 kg / m ²
5	JOINTFILL	2,5 kg / m ²
6	TOPCOAT	0,6 lt / m ²
7	PENETCOAT (OPTIONAL)	0,3 lt / m ²
MATERIALS REQUIRED PER 1 M ²		



BUILT-UP ROOF SYSTEM OVER BARE CONCRETE

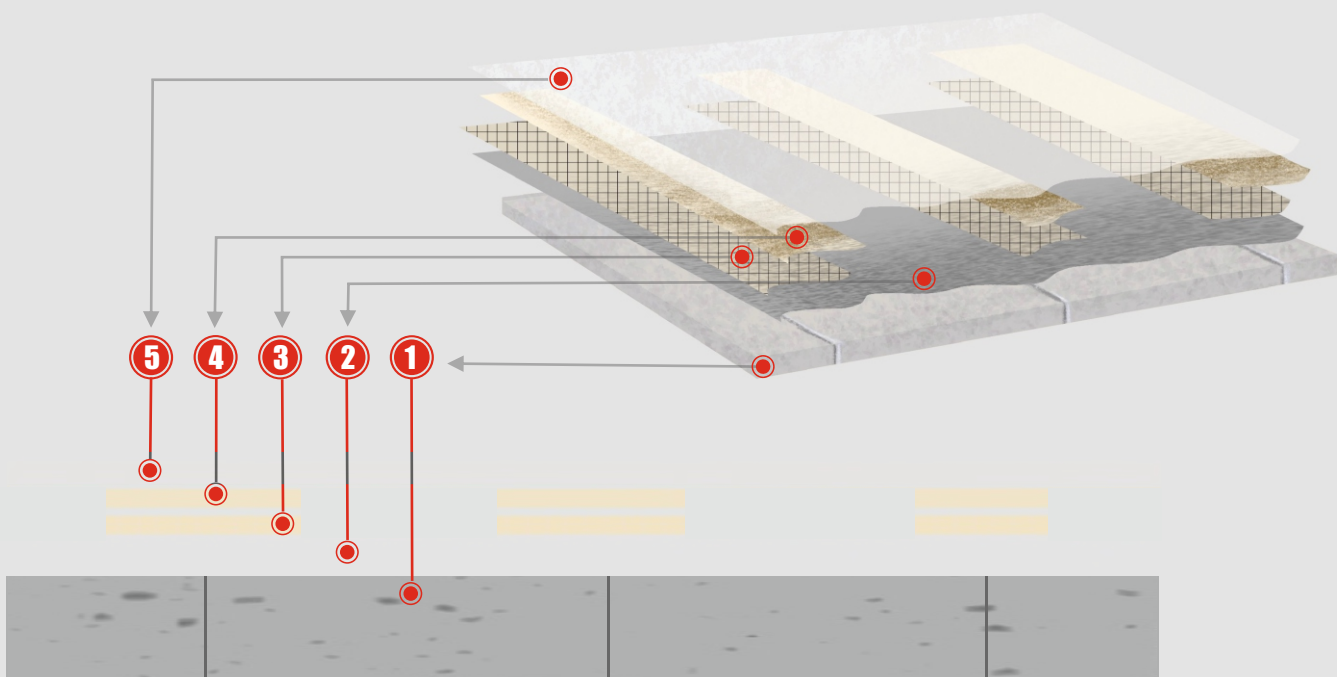
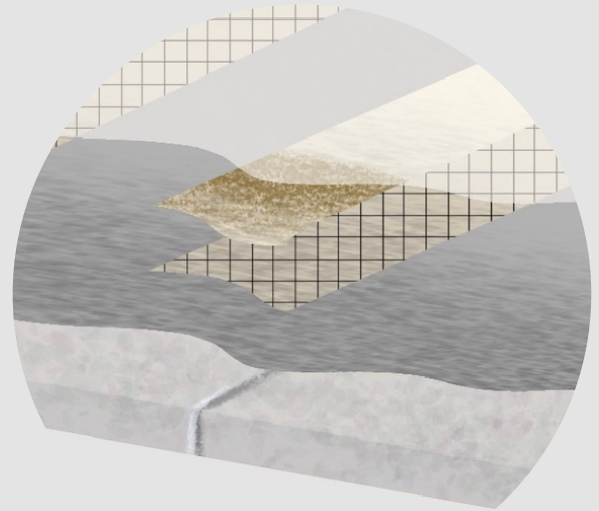
APPLICATION INSTRUCTION

1 BUILT-UP ROOF SYSTEMS OVER BARE CONCRETE	
PRODUCTS	SYSTEM RF 602
	5 YEARS GUARANTEE
2 ROOFPRIME	0,6 lt / m ²
3 JOINTFABRIC (Sealing areas)	1,0 m ² /m ²
4 JOINTFILL (Sealing areas)	2,5 kg / m ²
5 ROOFCOAT	1,8 lt / m ²
6 TOPCOAT	0,8 lt / m ²
7 PENETCOAT (OPTIONAL)	0,3 lt / m ²
MATERIALS REQUIRED PER 1 M ²	



APPLICATION INSTRUCTION

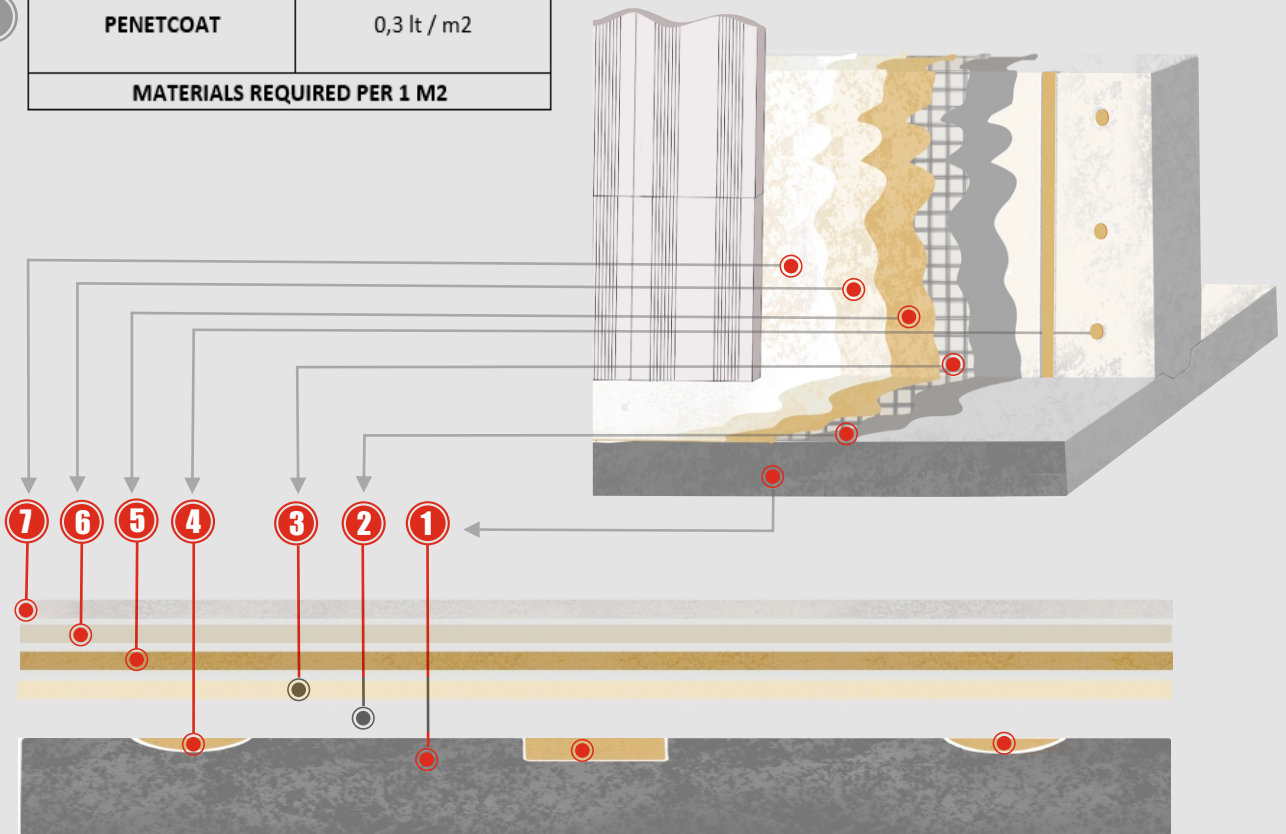
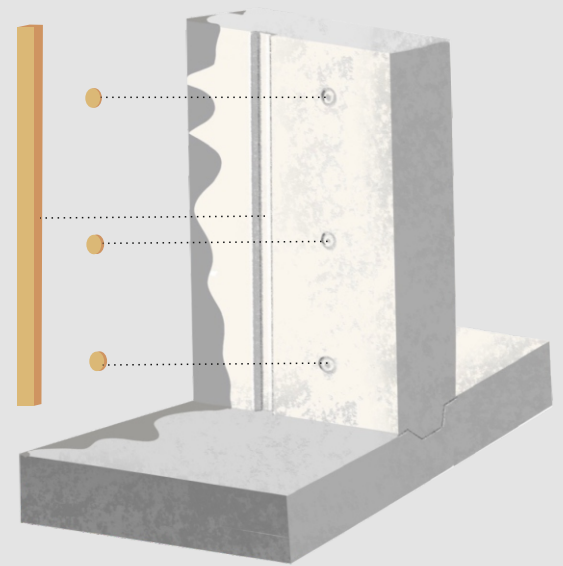
1 BUILT-UP ROOF SYSTEMS OVER BARE CONCRETE	
PRODUCTS	SYSTEM RF 603
	2 YEARS GUARANTEE
2 ROOFPRIME	0,6 lt/ m2
3 JOINTFABRIC (Sealing areas)	1,0 m2/m2
4 JOINTFILL (Sealing areas)	2,5 kg / m2
5 PENETCOAT	0,6 lt / m2
MATERIALS REQUIRED PER 1 M2	



SUBGRETE WATERPROOFING SYSTEM FOR WALLS FOR HYDROSTATIC PRESSURE (LESS THAN 1.5 M)

APPLICATION INSTRUCTION

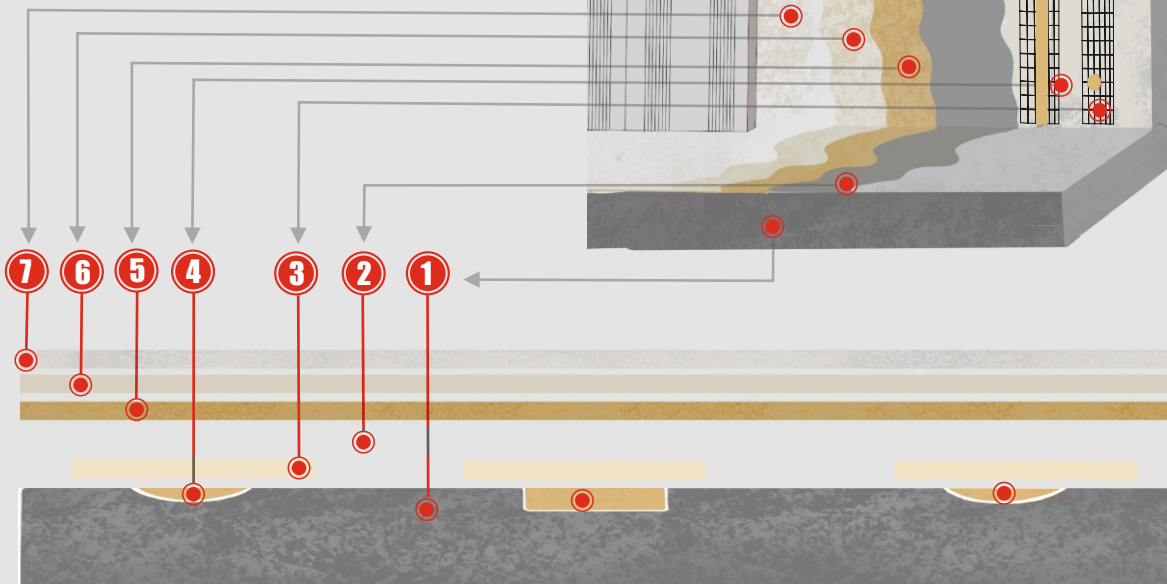
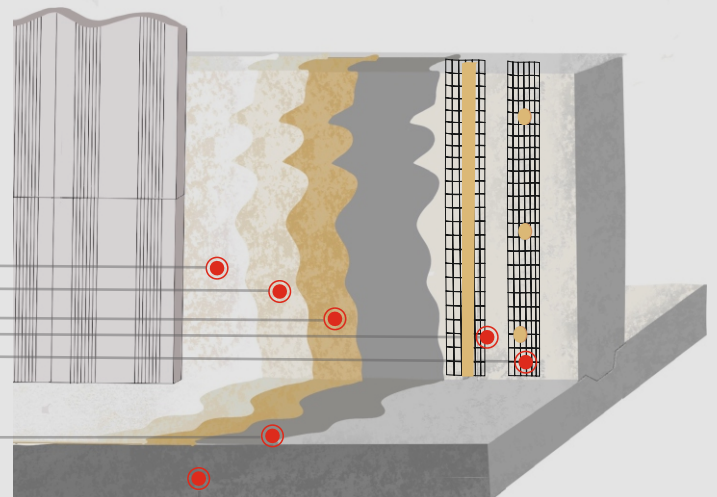
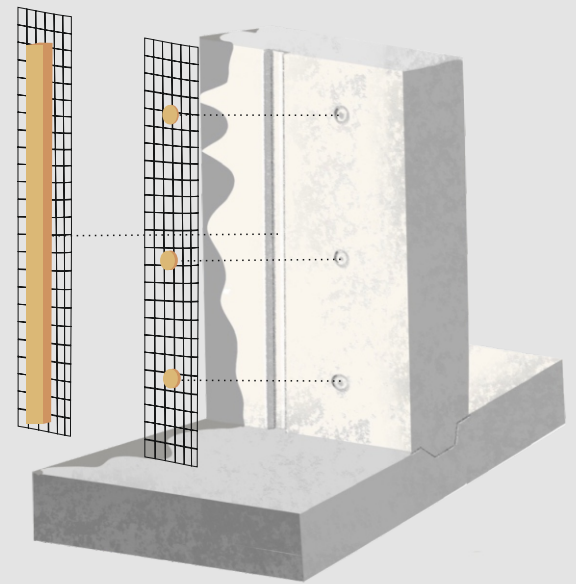
1	SUBGRADE WATERPROOFING SYSTEM FOR WALLS FOR HYDROSTATIC PRESSURE (LESS THAN 1.5 M)	
	PRODUCTS	SYSTEM SG 902
		5 YEARS GUARANTEE
2	ROOFPRIME	0,4 lt / m ²
3	JOINTFABRIC	1,0 m ² /m ²
4	JOINTFILL (FOR SEALING AREAS)	2,5 kg / m ²
5	JOINTFILL	2,5 kg / m ²
6	TOPCOAT (OPTIONAL)	0,5 lt / m ²
7	PENETCOAT	0,3 lt / m ²
MATERIALS REQUIRED PER 1 M²		



SUBGRETE WATERPROOFING SYSTEM FOR WALLS FOR LIGHT DAMPROFING (NO HYDROSTATIC PRESSURE)

APPLICATION INSTRUCTION

1 SUBGRADE WATERPROOFING SYSTEM FOR WALLS FOR LIGHT DAMPPROOFING (NO HYDROSTATIC PRESSURE)	
PRODUCTS	SYSTEM SG 901
	2 YEARS GUARANTEE
2 ROOFPRIME	0,4 lt / m2
3 JOINTFABRIC (FOR SEALING AREAS)	1,0 m2/m2
4 JOINTFILL (FOR SEALING AREAS)	2,5 kg / m2
5 ROOFCOAT	1,8 kg/m2
6 TOPCOAT (OPTIONAL)	0,5 lt / m2
7 PENETCOAT	0,3 lt / m2
MATERIALS REQUIRED PER 1 M2	





INOVASTA SUBGRADE WATERPROOFING SYSTEMS

HIGH PERFORMANCE WATERPROOFING FOR WALLS

- unique Ingredients, products and engineering
- durability and long term reliability
- lightweight dampproofing for moisture protection
- excellent adhesion, tensile strength, flexibility
- extra reinforcement for all cold joints and other stress points
- fast insulation and less insulation problems