



About Us

SOLIN S.A. is a company that produces composite and plastic pipes as well as fittings for a wide range of applications. Since its establishment, SOLIN's primary and integral purpose is to produce high quality products.

We strongly believe that the success of a business comes from its people. Our employees are our most important asset and the driving force of SOLIN. With their dedication and hard work, they contribute to the achievement of our mission, which is the continuous development and evolution of our company. We invest in them through continuous education and training. Our team consisting of 80 employees has as a daily task to comply with the company's philosophy, which is our customers' satisfaction.

SOLIN is based in Greece, with the head offices, including administration offices and several warehouse spaces being located in Athens, while our factory, with our main warehouse, is located in the A' Industrial Area of Volos with buildings of 17.500m², in a total plot extent of about 33.000m².

In the course of almost 40 years in the manufacturing field, having gained the experience and knowledge as expertise, we are proud that our products are among the top of their range in terms of quality within the international market. SOLIN provides practical, reliable and enduring solutions to multiple applications, always aiming to support its customers in the best way.



More than 35
Active years



60%
Of our production
is exported



ISO certificate
since 2000

Exports to
40 countries
worldwide



Certifications from
international institutes



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SOLIFLOOR

Underfloor **WET** Systems

**SOLIFLOOR
STANDARD
TACKER** 6 cm

5 cm **SOLIFLOOR
SLIM**

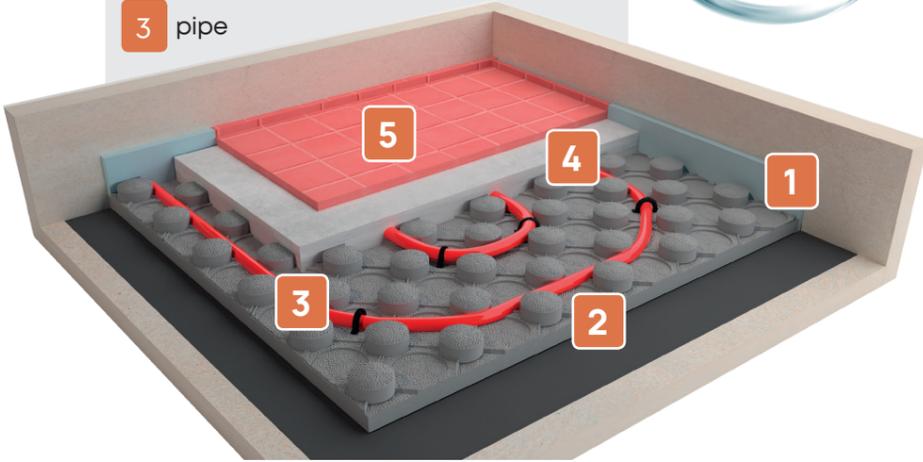
Minimum heights
of wet underfloor
heating systems



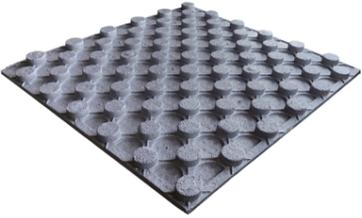
SOLIFLOOR STANDARD

- 1 wall edging strip
- 2 EPS insulating board
- 3 pipe
- 4 thermal concrete
- 5 floor

Pipe dimension
Ø16-Ø18



The **Solifloor Standard** system has as base an expanded polystyrene insulating board, called Soliboard Standard. It is castellated, which allows the pipes to be perfectly fitted and supported. Due to board's geometry, the pipe is fully covered with thermal concrete and this results to the absorption and equal distribution of the thermal load carried by the pipe. Main advantages of the system: easy and quick installation, minimum maintenance requirements, durability and low operating cost.



Soliboard Standard

EPS expanded polystyrene insulating board with vapour barrier (PE film) and thermal insulation density 32kg/m³, dimensions 720x720 mm and thickness 40mm. It allows to create circuits with minimum 10cm pitch.

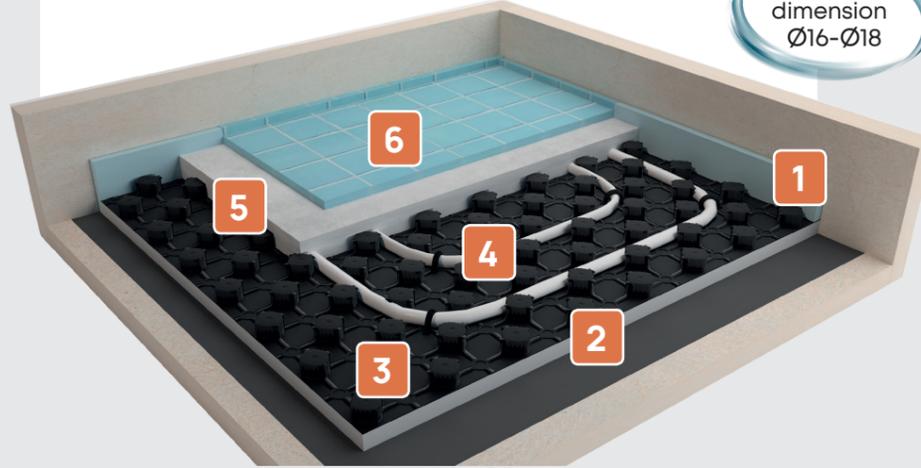
TECHNICAL SPECIFICATIONS:

- Thermal insulation density (according to EN 1602): 32 kg/m³
 - Thermal conductivity (per EN 12667): 0.0316 W/mk
 - Compressive strength (per EN 826): 245 kPa
 - Fire resistance (according to EN 13501-1): Class E
- Minimum vertical distance between pipe circuit: 50 mm

SOLIFLOOR SLIM

- 1 wall edging strip
- 2 EPS 120 (10mm)* insulating board
- 3 sheet of HIPS polystyrene
- 4 pipe
- 5 thermal concrete
- 6 floor

Pipe dimension
Ø16-Ø18



The **Solifloor Slim** system is a combination of the Soliboard Slim high impact polystyrene sheet with EPS insulation, 10 to 100mm thickness, for creating the optimal thermal insulating base for its operation. The advantage of this system lies on the freedom to choose the final height of the floor, depending on the thickness of the chosen insulation. EPS insulation proposed as a base of the system offers thermal proof and soundproof, high resistance to compression and low water absorption.



Soliboard Slim

Black high impact polystyrene sheet (HIPS) without insulation, for restraining the installed pipes, so as to succeed perfect fit on the panel. Proper configuration with multiple nodes for securing quick and stable pipe installation. It allows the allocation of the circuits with minimum 5cm pitch.

*EPS 120 Insulating board is available in thickness: 10mm, 20mm, 30mm etc.

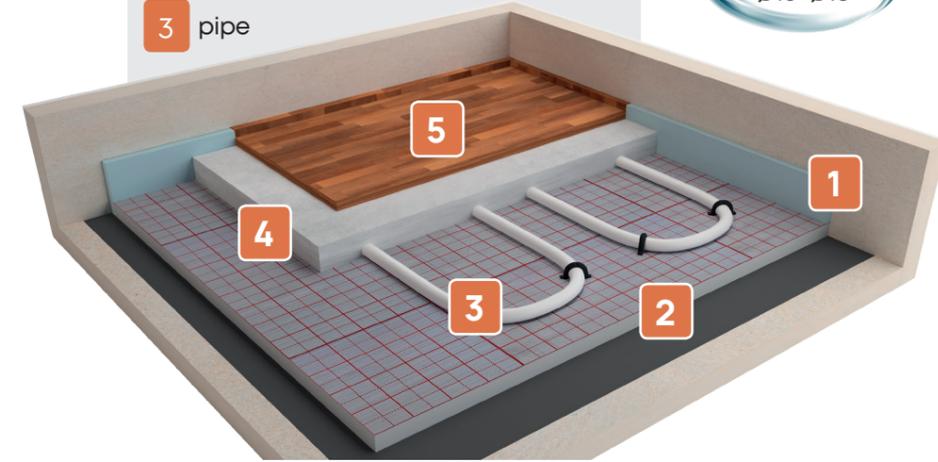
TECHNICAL SPECIFICATIONS:

- Thermal conductivity coefficient (per EN 13164): 0.033 W/mk
 - Compressive strength (per EN 826): 300 kPa
- Water vapour diffusion resistance (according to EN 12086): 100
 - Water absorption (according to EN 12087): 1,5%

SOLIFLOOR TACKER

- 1 wall edging strip
- 2 EPS 120 board Tacker roll
- 3 pipe
- 4 thermal concrete
- 5 floor

Pipe dimension
Ø16-Ø18



The **Solifloor Tacker** System provides complete freedom in the design and installation of heating pipes. It consists of EPS insulating surface-coated with a polyethylene coating sheet with a printed raster. It is used in underfloor heating systems, providing thermal proof and soundproof as well as damp proofing. The printed grid pattern with graduated installation on the surface of 50mm constitutes the visual guide of the installer, allowing the easy, quick and precise pipe structure with the use of the special tool, named tacker.



Soliboard Tacker (roll)

EPS expanded polystyrene insulating board (roll) with very low coefficient of thermal conductivity, high compression resistance and low water absorption. Easy to apply, environmental friendly, it is an excellent technical and cost-effective choice.

TECHNICAL SPECIFICATIONS:

- Density (according to EN 1602): 17 kg/m³
- Thermal conductivity coefficient (according to EN 12667): ≤ 0.035 W/m.K
 - Compressive strength (according to EN 826): 120 kPa
 - Fire resistance (according to EN 13501-1): Class E
 - Water absorption (according to EN 12087): ≤ 3%

Suitable Pipes

Composite Alu-Plastic pipes:

ALPERTSOL (PERT-AL-PERT) and NOXY-AL (LPDE/PERT-AL-PB/PERT)

Multilayer EVOH-Plastic pipes:

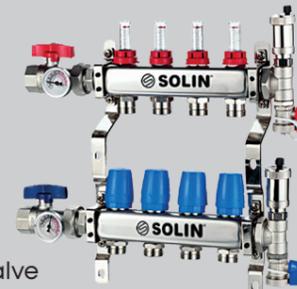
OCTATHERM-NOXY (PE-RT), RETIFLEX-NOXY (PEX-b) and FLEXITHERM-NOXY (Pb-1)



Manifolds & Accessories

Preassembled manifold for underfloor heating system composed of:

- 1 delivery manifold with flow meters
- 1 return manifold with shut off valves with manual handwheels (compatible with thermo-electric actuators)
- Set of metal brackets
- Ball valve with thermometer
- End piece with automatic airvent & drain/filling valve



Accessories & Materials

For underfloor Wet systems we provide accessories and materials such as:

Tacker Gun and clips (for Solifloor Tacker System), EPS 120 insulating board, decoupling membrane, pipe decoiler, thermal cutter, expansion joint, wall edging strip and edging strip with adhesive, bend support, internal bending spring, concrete plasticizer, polypropylene fibres, digital thermostat etc.

