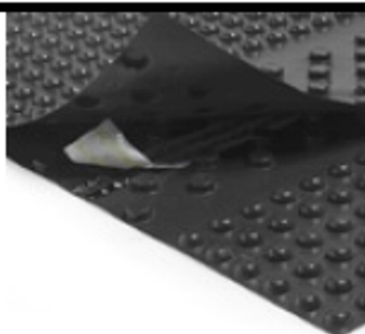


Fiche Technique

CARACTERISTIQUES	TEFOND 240	TEFOND PLUS 240	TEFOND DRAIN 240	TEFOND DRAIN PLUS 240	TEFOND HP
MATERIEL	HDPE	HDPE avec Scellement bitumeux	HDPE avec tissu non tissé en polyester	HDPE avec scellement et géo tissu en polypropylène	HDPE avec Scellement bitumeux
COULEUR	NOIR	NOIR	NOIR ET BLANC	NOIR + NOIR	GRIS ARGENT
LONGUEUR	Rouleau de 20 m	Rouleau de 20 m	Rouleau de 20 m	Rouleau de 20 m	Rouleau de 20 m
LARGEUR	2,40 m	2,40 m	2,40 m	2,40 m	2,40 m
COUVERTURE AVEC SIMPLE SUPPERPOSITION	2,28 m	2,28 m	2,28 m	2,28 m	2,28 m
COUVERTURE AVEC DOUBLE SUPPERPOSITION	2,20 m	2,20m	2,20 m	2,20 m	2,20 m
EPAISSEUR DE LA MEMBRANE BOSSEE	8 mm	8 mm	8 mm	8 mm	8,5 mm
POIDS	650g/m ²	700g/m ²	770g/m ² (650gr/m ² + 120gr/m ²)	770g/m ² (650gr/m ² + 120gr/m ²)	850 gr/m ²
CHARGE DE RUPTURE A TRACTION	400 N/5 cm	400 N/5 cm	400 N/5 cm (TEFOND) 250N/5 cm (TNT en Polyester)	400 N/5 cm (TEFOND) 250N/5 cm (TNT en Polyester)	600 N/5 cm
ALLONGEMENT DE RUPTURE	25%	25%	25% (TEFOND) 50% (TNT en polyester)	25% (TEFOND) 50% (TNT en polyester)	25%
RESISTANCE A LA COMPRESSION	250KN/m ²	300 KN/m ²	250 KN/m ²	250 KN/m ²	350 KN/m ²
VOLUME D'AIR	5,7 L/m ²	5,7 L/m ²	5,7 L/m ²	5,7 L/m ²	5,6 L/m ²
ABATTAGE SONORE	14 dB (à 500Hz)	--	--	--	--
CONDITIONS D'EXERCICE	de -30° à + 60°	de -30° à + 60°	de -30° à + 60° C	de -30° à + 60° C	de -30° à + 60° C



Tefond Plus

STRUCTURE: Tefond Plus is a high density extruded polyethylene (HDPE) membrane. Due to its physical and mechanical properties, Tefond Plus creates a dampproof barrier that helps foundations and basements reach their expected durability.

PROPERTIES

Raw material			HDPE	
Weight	EN 965	g/m ²	670	±5%
Foil thickness		mm	0,65	±0,1
Adhesive material on side junction			Bitumen	

PHYSICAL/MECHANICAL CHARACTERISTICS

Thickness	-	mm	8	±1
Compression resistance	-	kN/m ²	>300	-10%
Tensile strenght MD	EN ISO 10319	kN/m	>350	±10%
Extension at max load MD	EN ISO 10319	%	>20	±15%
Tensile strenght CMD	EN ISO 10319	kN/m	>300	±10%
Extension at max load CMD	EN ISO 10319	%	>25	±15%

DIMENSIONAL CHARACTERISTICS

STANDARD DIMENSIONS

Roll width	m	2,4	±10
Roll lenght	m	20	±0,01
Roll area	m ²	48	
Roll weight	kg	32,16	±5%
Roll diameter	cm	60	

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TeMa
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www.temacorporation.com

Rev. 1 Mar-05



Tefond

ROOF GARDEN- INTENSIVE MECHANICAL PROTECTION OF WATERPROOFING (MPWP)

Date:
Job Site Location:
Material Applied: Tefond

Country: **Italy**
Quantity:

PROBLEM

How to protect mechanically the waterproof membrane?

SOLUTION

As you can see a waterproofing membrane has been installed.

Due to the heavy conditions of the job site, a mechanical protection of the waterproofing membrane was needed.

The designer chose Tefond.

Fast and easy to install (just unroll the product and hammer the overlappings), fast and easy to cut in the details (just use a simple cutter)





Tefond Plus

BASEMENT- BLOCKS OR POURED CONCRETE
DAMP-PROOFING - DP

Date: 2001

Job Site Location:

Material Applied: Tefond Plus

Country: **Russia**

Quantity:

PROBLEM

Æ

Damp-proofing of the basement

SOLUTION

When the specifier is looking for a new way of damp-proofing your basement Tefond plus is the right solution.





Tefond Plus

BASEMENT- BLOCKS OR POURED CONCRETE
DAMP-PROOFING - DP





Tefond Plus

BASEMENT- BLOCKS OR POURED CONCRETE DAMP-PROOFING - DP

Date: 2005

Job Site Location:

Material Applied: Tefond Plus

Country: **Russia**

Quantity:

PROBLEM

Dampproofing the basement on top of an existing thermal insulation system that cannot be in contact with open flame or excess of heat

SOLUTION

Tefond Plus damproofs your basement and the installation is easy: just by hammering the overlapping. No flame at all!





Tefond Plus

BASEMENT- BLOCKS OR POURED CONCRETE
DAMP-PROOFING - DP





Tefond Plus

BASEMENT- BLOCKS OR POURED CONCRETE
DAMP-PROOFING - DP

Date: 2005

Job Site Location:

Material Applied: Tefond Plus

Country: **Russia**

Quantity:

PROBLEM

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Dampproofing the basement on top of an existing thermal insulation system that cannot be in contact with open flame or excess of heat

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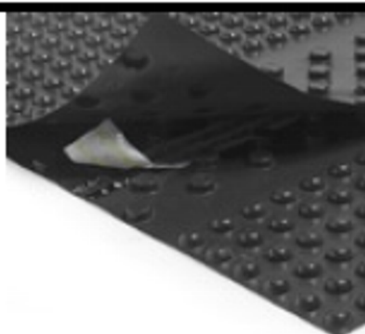
Tefond Plus

BASEMENT- BLOCKS OR POURED CONCRETE
DAMP-PROOFING - DP



Fiche Technique

CARACTERISTIQUES	TEFOND 240	TEFOND PLUS 240	TEFOND DRAIN 240	TEFOND DRAIN PLUS 240	TEFOND HP
MATERIEL	HDPE	HDPE avec Scellement bitumeux	HDPE avec tissu non tissé en polyester	HDPE avec scellement et géo tissu en polypropylène	HDPE avec Scellement bitumeux
COULEUR	NOIR	NOIR	NOIR ET BLANC	NOIR + NOIR	GRIS ARGENT
LONGUEUR	Rouleau de 20 m	Rouleau de 20 m	Rouleau de 20 m	Rouleau de 20 m	Rouleau de 20 m
LARGEUR	2,40 m	2,40 m	2,40 m	2,40 m	2,40 m
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RESISTANCE A LA COMPRESSION	250KN/m ²	300 KN/m ²	250 KN/m ²	250 KN/m ²	350 KN/m ²
VOLUME D'AIR	5,7 L/m ²	5,7 L/m ²	5,7 L/m ²	5,7 L/m ²	5,6 L/m ²
ABATTAGE SONORE	14 dB (à 500Hz)	--	--	--	--
CONDITIONS D'EXERCICE	de -30° à + 60°	de -30° à + 60°	de -30° à + 60° C	de -30° à + 60° C	de -30° à + 60° C



Tefond Plus

STRUCTURE: Tefond Plus is a high density extruded polyethylene (HDPE) membrane. Due to its physical and mechanical properties, Tefond Plus creates a dampproof barrier that helps foundations and basements reach their expected durability.

PROPERTIES

Raw material			HDPE	
Weight	EN 965	g/m ²	670	±5%
Foil thickness		mm	0,65	±0,1
Adhesive material on side junction			Bitumen	

PHYSICAL/MECHANICAL CHARACTERISTICS

Thickness	-	mm	8	±1
Compression resistance	-	kN/m ²	>300	-10%
Tensile strenght MD	EN ISO 10319	kN/m	>350	±10%
Extension at max load MD	EN ISO 10319	%	>20	±15%
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Extension at max load CMD	EN ISO 10319	%	>25	±15%

DIMENSIONAL CHARACTERISTICS

STANDARD DIMENSIONS

Roll width	m	2,4	±10
Roll lenght	m	20	±0,01
Roll area	m ²	48	
Roll weight	kg	32,16	±5%
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Rev. 1 Mar-05



Tefond

ROOF GARDEN- INTENSIVE MECHANICAL PROTECTION OF WATERPROOFING (MPWP)

Date:

Job Site Location:

Material Applied: Tefond

Country: **Italy**

Quantity:

PROBLEM

How to protect mechanically the waterproof membrane?

SOLUTION

As you can see a waterproofing membrane has been installed.

Due to the heavy conditions of the job site, a mechanical protection of the waterproofing membrane was needed.

The designer chose Tefond.

Fast and easy to install (just unroll the product and hammer the overlappings), fast and easy to cut in the details (just use a simple cutter)





Tefond Plus

BASEMENT- BLOCKS OR POURED CONCRETE
DAMP-PROOFING - DP

Date: 2001

Job Site Location:

Material Applied: Tefond Plus

Country: **Russia**

Quantity:

PROBLEM

Æ

Damp-proofing of the basement

SOLUTION

When the specifier is looking for a new way of damp-proofing your basement Tefond plus is the right solution.





Tefond Plus

BASEMENT- BLOCKS OR POURED CONCRETE
DAMP-PROOFING - DP





Tefond Plus

BASEMENT- BLOCKS OR POURED CONCRETE DAMP-PROOFING - DP

Date: 2005

Job Site Location:

Material Applied: Tefond Plus

Country: **Russia**

Quantity:

PROBLEM

Dampproofing the basement on top of an existing thermal insulation system that cannot be in contact with open flame or excess of heat

SOLUTION

Tefond Plus damproofs your basement and the installation is easy: just by hammering the overlapping. No flame at all!





Tefond Plus

BASEMENT- BLOCKS OR POURED CONCRETE
DAMP-PROOFING - DP





Tefond Plus

BASEMENT- BLOCKS OR POURED CONCRETE
DAMP-PROOFING - DP

Date: 2005

Job Site Location:

Material Applied: Tefond Plus

Country: **Russia**

Quantity:

PROBLEM

Æ

Dampproofing the basement on top of an existing thermal insulation system that cannot be in contact with open flame or excess of heat

SOLUTION

Tefond Plus damproofs your basement and the installation is easy: just by hammering the overlapping. No flame at all!





Tefond Plus

BASEMENT- BLOCKS OR POURED CONCRETE
DAMP-PROOFING - DP





Tefond Plus

BASEMENT- BLOCKS OR POURED CONCRETE
DAMPROOFING - DP

Date: 2008

Job Site Location:

Material Applied: Tefond Plus

Country: **Russia**

Quantity:

PROBLEM

Dampproofing the basement on top of an existing thermal insulation system that cannot be in contact with open flame or excess of heat

SOLUTION

Tefond Plus damproofs your basement and the installation is easy: just by hammering the overlapping. No flame at all!





Tefond Plus

BASEMENT- BLOCKS OR POURED CONCRETE
DAMP-PROOFING - DP





Tefond Plus

BASEMENT- BLOCKS OR POURED CONCRETE
DAMP-PROOFING - DP

Date: 2006

Job Site Location:

Material Applied: Tefond Plus

Country: **Russia**

Quantity:

PROBLEM

Damp-proofing the basement on top of an existing thermal insulation system that cannot be in contact with open flame or excess of heat

SOLUTION

Tefond Plus damp-proofs your basement and the installation is easy: just by hammering the overlapping. No flame at all!





Tefond Plus

BASEMENT- BLOCKS OR POURED CONCRETE
DAMP-PROOFING - DP





Tefond Plus

BASEMENT- BLOCKS OR POURED CONCRETE
DAMP-PROOFING + VENTILATION (DP+V)

Date: 2008

Job Site Location:

Material Applied: Tefond Plus

Country: **Russia**

Quantity:

PROBLEM

The specifier was looking for a solution that could guarantee the damp-proofing of the basement (from the rainy water) and an efficient drainage layer (for the vapour coming from the inside of the basement that condenses and becomes liquid water once it reaches the external cold part of the wall)

SOLUTION

Tefond plus is surely a solution for the damp-proofing and installing it with the dimples facing the wall creates an empty cavity for the water to drain down to the collecting drainage system





Tefond Plus

BASEMENT- BLOCKS OR POURED CONCRETE
DAMP-PROOFING + VENTILATION – DP+V





Tefond Plus

BASEMENT – BLOCKS OR POURED CONCRETE
DAMP-PROOFING + VENTILATION – (DP+V)

Date: 2005

Job Site Location:

Material Applied: Tefond Plus

Country: Italy

Quantity:

PROBLEM

The contractor needs a product to speed up the damp-proofing of the basements of 45 villas.

Faster the touristic area is finished, earlier the villas can be rented!

If the investors loses one season of rents he is renouncing to 450.000 € of incomes.



Tefond Plus

BASEMENT – BLOCKS OR POURED CONCRETE
DAMPROOFING + VENTILATION (DP+V)

SOLUTION

The specifier didn't have many doubts. With Tefond Plus in the standard and unique measure of 2,4 m, which is suitable for all basement heights, the problem was solved.

Install the first roll by fixing it at the top with plugs and nails (pict. I).

Peel the white paper from the bituminous strip and hammer the overlapping until male dimples go inside the female ones.

Once you cover all the foundation perimeter (pict III) damproof the detail with Isoband (pict. IV)

Close the top with Isoprofile (pict. V). Close the foundation and don't worry about any possible damages: Tefond Plus is not a normal damproofing system (pict. VI)





Tefond Plus

BASEMENT – BLOCKS OR POURED CONCRETE
DAMP-PROOFING – (DP)

Date: 1997

Job Site Location:

Material Applied: Tefond Plus

Country: **France**

Quantity:

PROBLEM

Do you know that a wrong installation of Tefond Plus can reduce the performance of your investment ?
(see picture I and II)





Tefond Plus

BASEMENT – BLOCKS OR POURED CONCRETE
DAMP-PROOFING – (DP)

SOLUTION

Install Tefond Plus hammering on the cavities (pict. III).
In this way you will not smash the dimple and will permit the male dimple to go into the female one perfectly.
Dimple facing the wall allows not only damp-proofing but also a natural ventilation of your basement (pict. IV).
Don't miss this advantage and teach your contractor this important advantage.





Tefond Plus

BASEMENT- BLOCKS OR POURED CONCRETE
DAMPROOFING - DP

Date: 2005-2006

Job Site Location:

Material Applied: Tefond Plus

Country: Russia

Quantity:

PROBLEM

Dampproofing the basement on top of an existing thermal insulation system that cannot be in contact with open flame or excess of heat

SOLUTION

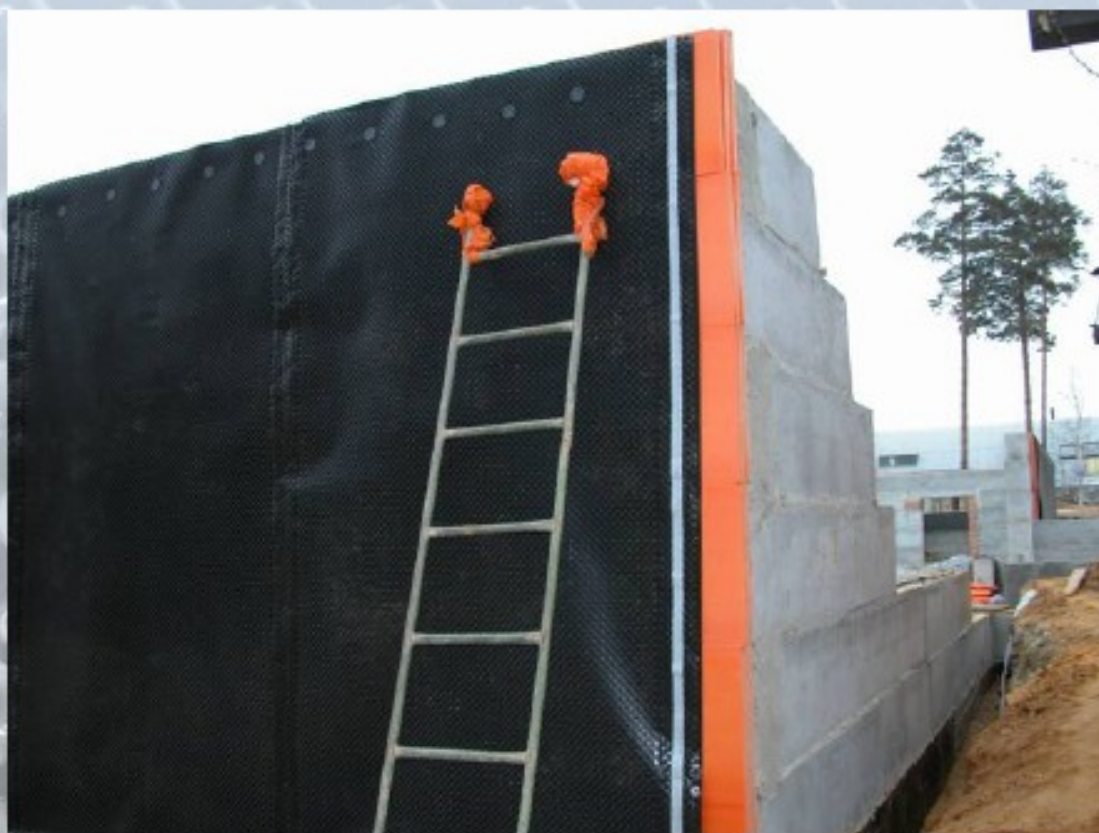
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Tefond Plus

BASEMENT- BLOCKS OR POURED CONCRETE
DAMP-PROOFING - DP





Tefond

BASEMENT – BLOCKS OR POURED CONCRETE MECHANICAL PROTECTION OF WATERPROOFING (MPWP)

Date: 2001

Job Site Location:

Material Applied: Tefond

Country: Italy

Quantity:

PROBLEM

After torching a bituminous membrane on the foundation wall (see pict. I) the job arrives to its crucial point: heavy conditions of the job sites can damage your damproofing membrane during backfilling.

Immagining what can happen to the torch membrane if a rock (see pict. II) hit it instead of being protected from Tefond (pict. II)

SOLUTION

Unroll and fix Tefond using plugs and nails (pict. III).

Hammer the overlapping creating a high protection (pict. IV).

When you have covered all the perimeter of the foundation finish the job with Isoprofile which allows the air chamber not to clogged and maintain a good ventilation in your basement: but don't forget to install Tefond with dimples facing the wall!



pict. I



pict. II



Tefond

BASEMENT – BLOCKS OR POURED CONCRETE
MECHANICAL PROTECTION OF WATERPROOFING (MPWP)





Tefond Plus

BASEMENT- BLOCKS OR POURED CONCRETE
DAMPROOFING - DP

Date: 2008

Job Site Location:

Material Applied: Tefond Plus

Country: **Russia**

Quantity:

PROBLEM

Dampproofing the basement on top of an existing thermal insulation system that cannot be in contact with open flame or excess of heat

SOLUTION

Tefond Plus damproofs your basement and the installation is easy: just by hammering the overlapping. No flame at all!





Tefond Plus

BASEMENT- BLOCKS OR POURED CONCRETE
DAMP-PROOFING - DP





Tefond Plus

BASEMENT- BLOCKS OR POURED CONCRETE
DAMP-PROOFING - DP

Date: 2006

Job Site Location:

Material Applied: Tefond Plus

Country: Russia

Quantity:

PROBLEM

Damp-proofing the basement on top of an existing thermal insulation system that cannot be in contact with open flame or excess of heat

SOLUTION

Tefond Plus damp-proofs your basement and the installation is easy: just by hammering the overlapping. No flame at all!





Tefond Plus

BASEMENT- BLOCKS OR POURED CONCRETE
DAMP-PROOFING - DP





Tefond Plus

BASEMENT- BLOCKS OR POURED CONCRETE
DAMP-PROOFING + VENTILATION (DP+V)

Date: 2008

Job Site Location:

Material Applied: Tefond Plus

Country: **Russia**

Quantity:

PROBLEM

The specifier was looking for a solution that could guarantee the damp-proofing of the basement (from the rainy water) and an efficient drainage layer (for the vapour coming from the inside of the basement that condenses and becomes liquid water once it reaches the external cold part of the wall)

SOLUTION

Tefond plus is surely a solution for the damp-proofing and installing it with the dimples facing the wall creates an empty cavity for the water to drain down to the collecting drainage system





Tefond Plus

BASEMENT- BLOCKS OR POURED CONCRETE
DAMP-PROOFING + VENTILATION – DP+V





Tefond Plus

BASEMENT – BLOCKS OR POURED CONCRETE
DAMP-PROOFING + VENTILATION – (DP+V)

Date: 2005

Job Site Location:

Material Applied: Tefond Plus

Country: Italy

Quantity:

PROBLEM

The contractor needs a product to speed up the damp-proofing of the basements of 45 villas.

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BASEMENT – BLOCKS OR POURED CONCRETE
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Tefond Plus

BASEMENT – BLOCKS OR POURED CONCRETE
DAMP-PROOFING – (DP)

Date: 1997

Job Site Location:

Material Applied: Tefond Plus

Country: **France**

Quantity:

PROBLEM

Do you know that a wrong installation of Tefond Plus can reduce the performance of your investment ?
(see picture I and II)





Tefond Plus

BASEMENT – BLOCKS OR POURED CONCRETE
DAMP-PROOFING – (DP)

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Tefond Plus

BASEMENT- BLOCKS OR POURED CONCRETE
DAMPROOFING - DP

Date: 2005-2006

Job Site Location:

Material Applied: Tefond Plus

Country: **Russia**

Quantity:

PROBLEM

Dampproofing the basement on top of an existing thermal insulation system that cannot be in contact with open flame or excess of heat

SOLUTION

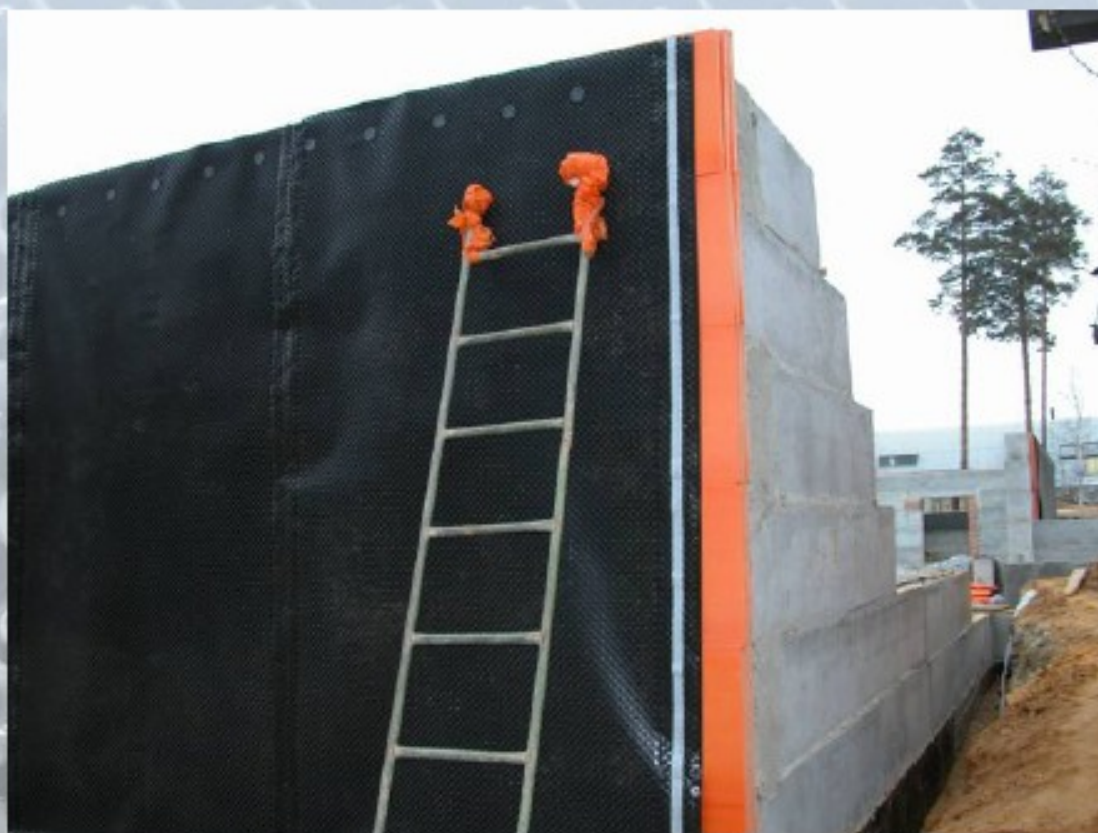
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Tefond Plus

BASEMENT- BLOCKS OR POURED CONCRETE
DAMP-PROOFING - DP





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Date: 2001

Job Site Location:

Material Applied: Tefond

Country: Italy

Quantity:

PROBLEM

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pict. I



pict. II



Tefond

BASEMENT – BLOCKS OR POURED CONCRETE
MECHANICAL PROTECTION OF WATERPROOFING (MPWP)

