

## DELTA®-MS

**High compressive strength for extra safety.**

Low point loads.

Fast, tailored application straight from the roll on perimeter insulation, sealing slurries, and waterproof concrete.



■ Protection system

■ For vertical and horizontal application

■ For building, underground, and civil-engineering construction

**One dimpled sheet  
for three end uses?  
You cannot go wrong  
DELTA®!**



■ **DELTA®-MS**

The right solution is always within reach: With its excellent track record, this dimpled sheet offers outstanding safety in building, underground, and civil-engineering construction. It may be used

- as a sub-base course under concrete floor slabs,
- for foundation-wall protection, and
- as a seepage layer in cavity walls.

Installation is swift and easy: The time for laying a square metre straight from the roll is less than four minutes.

■ **DELTA®-Accessories**

Why not use the advantages of our comprehensive range of DELTA® Accessories:

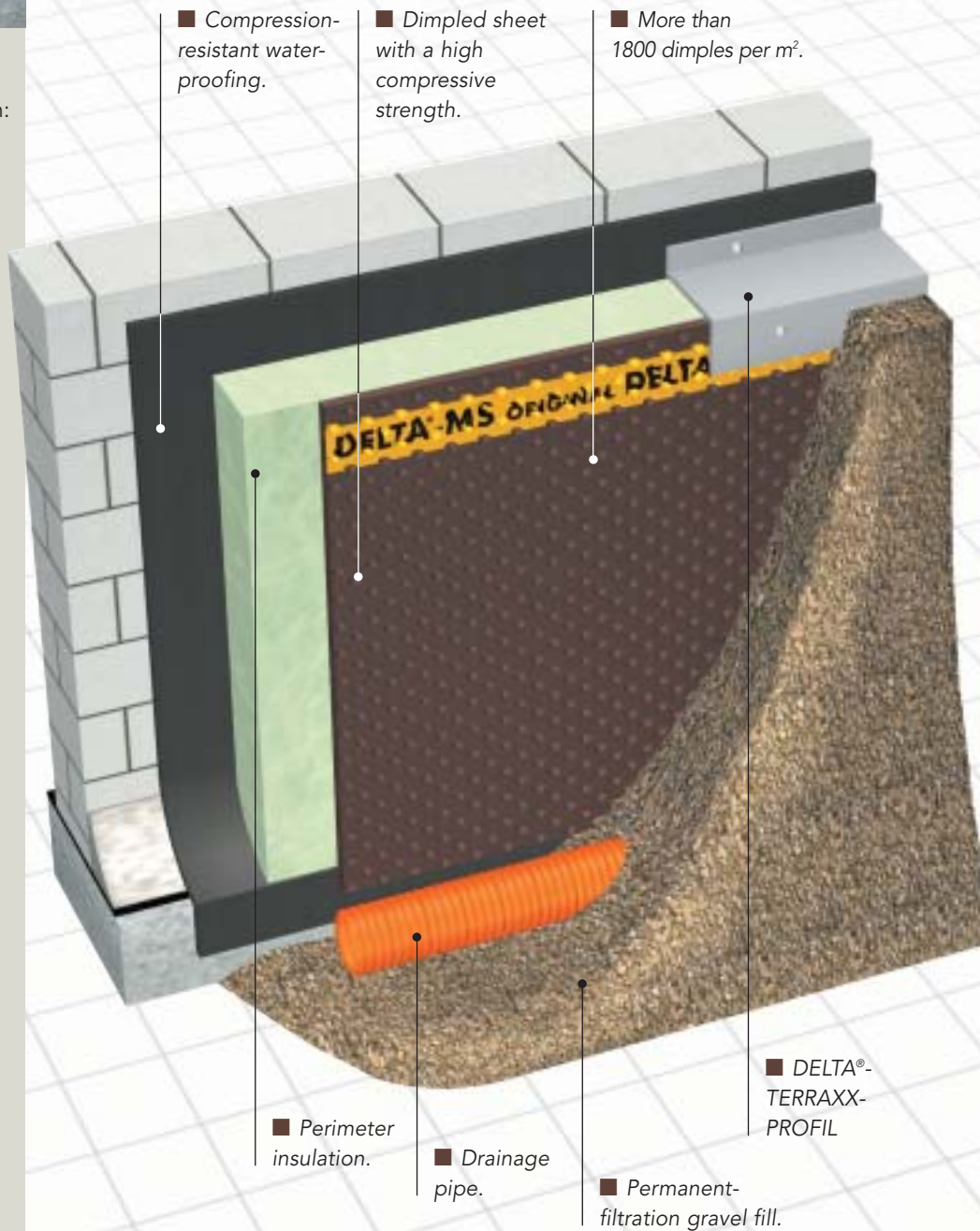
- DELTA®-NOPPENBAHNEN-PROFIL,
- DELTA®-TERRAXX-PROFIL,
- DELTA®-HAFTNAGEL,
- DELTA®-MS DÜBEL,
- DELTA®-MS KNOPF.

DELTA® quality branded products  
Made by Dörken.

**Reliable long-term protection:**

# DELTA®-MS

## High dimple density. Heat insu



STANDARD QUALITY



DELTA®-NOPPENBANHNEN-PROFIL moulding cap.

Reliable sub-base course under floor slabs.

Efficient structural drainage in tunnels.

# lation. No degradation in soil.

## DELTA®-MS ...

- ... is a dimpled sheet made of special high-density polyethylene.
- ... features more than 1800 dimples per m<sup>2</sup> for efficient pressure distribution and low point loads even on perimeter insulation.
- ... has a high compressive strength of about 250 kN/m<sup>2</sup>.
- ... is non-polluting for drinking water, non-degradable in soil, and offers additional heat insulation.
- ... features flat overlapping edges for precisely-fitting joints and a diagonal dimple configuration to permit straight creases.
- ... safely separates foundation walls from moist soil for all-round protection of compression-resistant waterproofing coats and/or perimeter insulation.
- ... protects flooring from rising damp.
- ... offers a cost-efficient alternative to lean concrete when laid underneath floor slabs as a sub-base course.



Easy to install, DELTA®-MS safely protects foundation walls.



## Here are the benefits of the DELTA® System.

### DELTA® foundation protection and DELTA® drainage systems.

	On compression-resistant waterproofing (e.g. bitumen, sealing slurries), perimeter insulation, and waterproof concrete	On compression-sensitive waterproofing (e.g. elastic bituminous waterproofing coats)
Structural drainage not required	DELTA®-MS foundation-wall protection	DELTA®-GEO-DRAIN Quattro foundation-wall protection as per DIN 18195
Structural drainage required	DELTA®-TERRAXX foundation-wall protection as per DIN 18195, structural drainage as per DIN 4095	DELTA®-GEO-DRAIN Quattro foundation-wall protection as per DIN 18195, structural drainage as per DIN 4095

# DELTA®-MS

## Technical Data Overview:

Material	Dimpled sheet made of special high-density polyethylene. No plasticizer; fully recyclable.
Dimple height	c. 8 mm
Compressive strength	c. 250 kN/m <sup>2</sup>
Air gap between dimples	c. 5.3 l/m <sup>2</sup>
Service temperature	-30 °C to +80 °C
Flammability	Optional conformability with DIN 4102 Class B2 or Class B1 to meet special requirements.
Roll size	20 m x 1.0 m 20 m x 1.5 m 20 m x 2.0 m 20 m x 2.4 m 20 m x 3.0 m

# DELTA®-Accessories for DELTA®-MS.

Dörken makes your life easier – systematically.

You are sure to appreciate these handy DELTA® accessories:



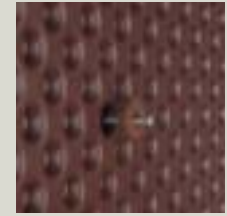
**DELTA®-NOPPEN-BAHNEN-PROFIL**  
Edge sealing strip.



**DELTA®-HAFTNAGEL**  
Adhesive pin to assist in installing overlap joints.



**DELTA®-MS DÜBEL**  
Plastic anchor for attaching sheets to material that will not hold a nail.



**DELTA®-MS KNOFF**  
Washers that prevent tearing when sheets are attached to nailable material.



**DELTA®-TERRAXX-PROFIL**  
Edge-sealing strip for use with perimeter insulation boards. Patent pending.

# DELTA®

*DELTA® System ...*

**... for owners:**

*"... What I get is a mature problem solution provided at a fair price by a top specialist in quality branded products!"*

**... for workers:**

*"... What I get is a complete system made by a single manufacturer that enables me to do anything to the owner's entire satisfaction. There is no safer way!"*

**... for planners:**

*"... I can be certain that both innovative and standard products will be used in implementing my roof and cellar plans in a systematic and forward-looking way."*

# DÖRKEN

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**A company of the Dörken Group.**

■ **Standard requests for tender**

for all DELTA®-products may be obtained from [www.doerken.de](http://www.doerken.de) or on a **free CD-ROM**. **Detailed installation instructions** for all DELTA®-products are available on the internet as PDF files for you to print out and save.

