

# DELTA®

DELTA® protects property. Saves energy. Creates comfort.



COSELLA DÖRKEN

## DELTA®-FL

**Keeping Floors Warm & Dry™**  
The perfect plastic subfloor system for concrete and slab on grade floors.



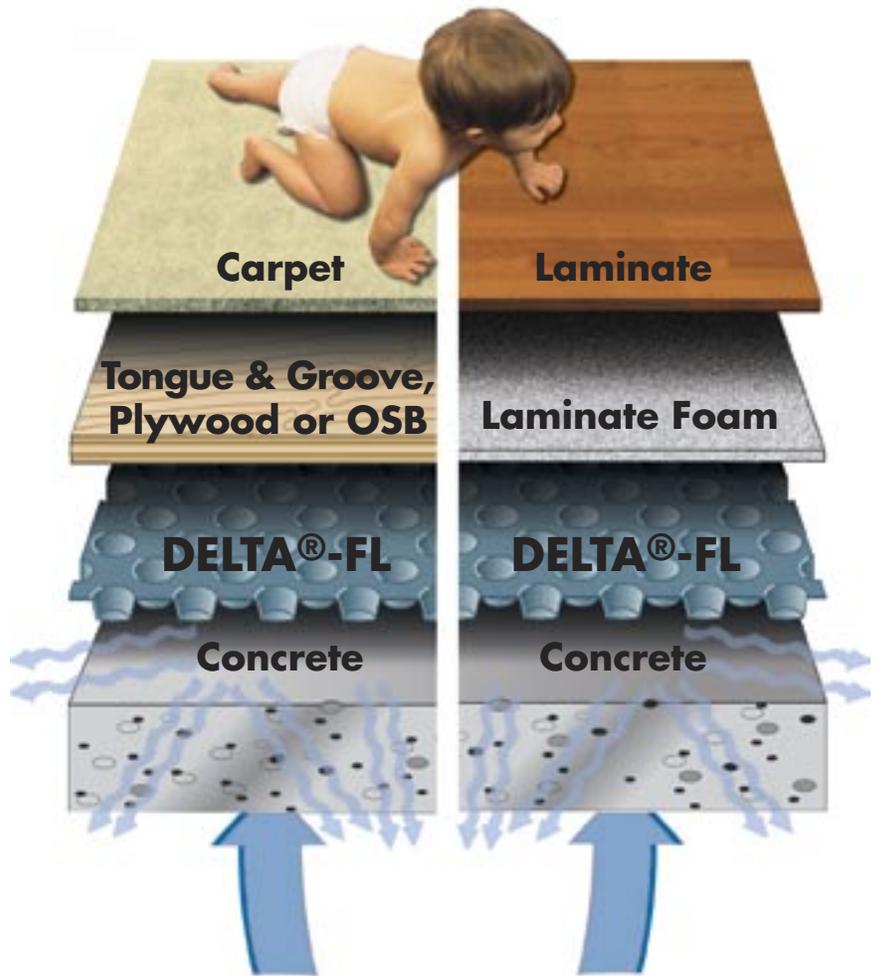
PREMIUM QUALITY



Keeping Floors Warm and Dry™

# DELTA®-FL

## Freedom of choice in building y



PREMIUM QUALITY

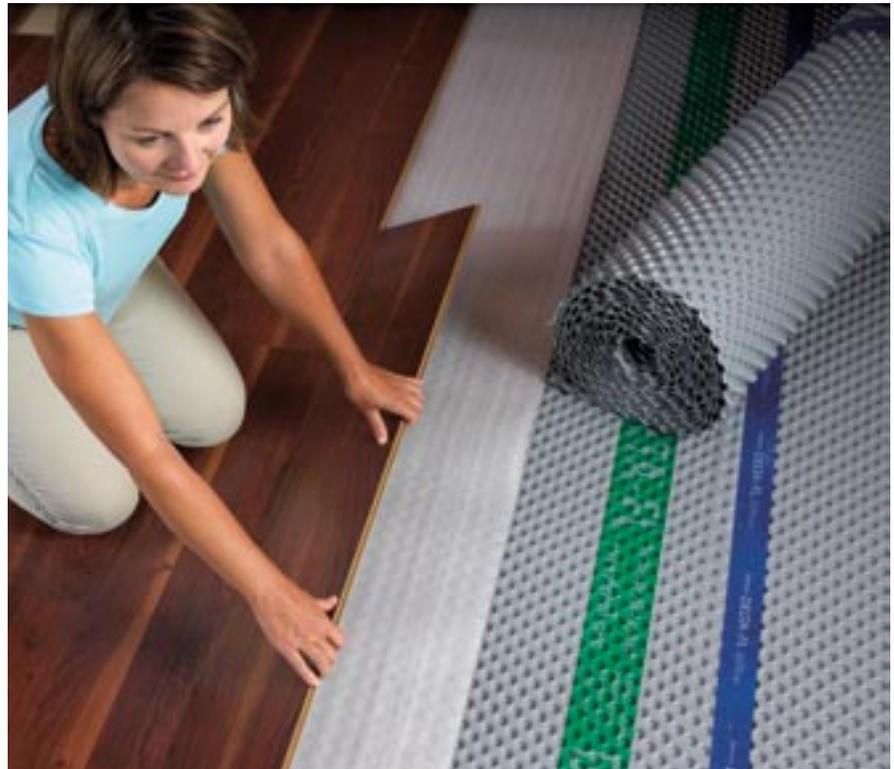


**NO OPEN SEAMS.  
NO MOISTURE.  
NO MOLD.**



# our subfloor system.

- DELTA®-FL rolls out to create a water-vapor proof seamless subfloor preventing moisture rise that would damage floor finishes. Unlike with 2' x 2' panels, there are no open seams that could create mold.
- Up to 30% increase in floor temperature.
- Protects floor finishes from moisture.
- Laminate can be directly installed on DELTA®-FL.
- Instant comfort and warmth.
- Fast and easy to install.
- DELTA®-FL will never rot unlike other subfloor systems.
- Provides an insulating thermal air-gap barrier that separates your finished floor from the concrete floor, offering up to a 30% increase in finished floor temperature.
- Provides a strong even subfloor.
- Offers minimal reduction in head room, adds only 5/16" (8 mm) height to the floor.
- Provides a clear drainage path underneath the floor, to allow moisture to move to drains.
- Allows airflow under the floor.



## INSTALLATION

### Installing Carpet/Vinyl/Linoleum or Nailed Hardwood using DELTA®-FL on a concrete floor.

When installing Carpet, Vinyl/Linoleum or Nailed Hardwood with DELTA®-FL, it is necessary to use a subfloor board such as 5/8" (16 mm) plywood/OSB. For vinyl use recommended vinyl underlay. Stagger joints.

- Existing floor finishes such as paint, vinyl or ceramic tile do not need to be removed if they are securely bonded.
- Clean floor. Wash with a solution of 4 parts water and 1 part bleach.
- Roll out DELTA®-FL on entire floor area, dimples down, cutting to fit accordingly.
- If concrete is uneven cut strips of DELTA®-FL and "stack" under the DELTA®-FL sheet, to raise floor. Use a levelling compound to smooth uneven areas greater than 1/4" (6.3 mm).
- Butt joints and tape with DELTA® Moisture Proof tape.
- Install minimum 5/8" (16 mm) tongue & groove plywood in a staggered pattern.
- Use matching size H-clips at butt end of

tongue & groove plywood. Use two H-clips per panel. Available from your local dealer.

- Any areas that exhibit "bounce or bending", due to an uneven floor should be anchored by inserting concrete screws (Tapcon). It is recommended to apply caulking to the pre-drilled screw holes.
- When not using tongue & groove plywood, anchor with 2" (50 mm) concrete screws (Tapcon) on 24" (610 mm) centers. Caulk the screw hole prior to inserting anchor.

### Installing DELTA®-FL and laminate/floating floor systems on a concrete floor.

... can be placed directly on DELTA®-FL.

- Existing floor finishes such as paint, vinyl or ceramic tile do not need to be removed if they are securely bonded.
- Clean floor. Wash with a solution of 4 parts water and 1 part bleach.
- Roll out DELTA®-FL on entire floor area, dimples down, cutting to fit accordingly.
- If concrete is uneven cut strips of DELTA®-FL and "stack" under the DELTA®-FL sheet, to raise floor. Use a levelling compound to

smooth uneven areas greater than 1/4" (6.3 mm).

- Butt joints and tape with DELTA® Moisture Proof tape.
- Place the laminate foam over DELTA®-FL and install laminate according to laminate/floating floor systems manufacturer's instructions.

**\*For an extra degree of warmth, insulation, can be placed directly on top of DELTA®-FL prior to applying floor finish.**

#### Sizes

- 3 1/2' (1.07 m) width by 30' (9.14 m) length roll.
- 5' (1.52 m) width by 65.6' (20 m) length roll.
- 4' (1.22 m) width by 8' (2.45 m) length sheet.

#### Tools Required

Utility knife, drill, Tapcon screws (optional) & DELTA® Moisture Proof tape.

#### Limitations

DELTA®-FL does not prevent flooding and should not be used in high water table areas.

#### Technical Support

Go to [www.DELTAFL.com](http://www.DELTAFL.com).

## TECHNICAL DATA

Color:	Grey
Material:	High Density Polyethylene
Membrane Weight:	~ 0.119lb/ft. <sup>2</sup> (580 g/m <sup>2</sup> )
Dimple Height:	~ 5/16" (8mm)
Roll Sizes:	3 1/2'(1.07m) x 30'(9.14m) 5'(1.52m) x 65.6'(20m)
Sheet Size:	4' (1.22m) x 8' (2.45m)
Comprehensive Strength:	~ 5200 psf (250 kN/m <sup>2</sup> )
Air-Gap Volume:	~ 0.13 gal/ft. <sup>2</sup> (5.31 litres/m <sup>2</sup> )
Temperature Range:	-22°F to + 176°F -30°C to + 80°C
Toxicity:	Non-toxic, non-polluting
Life Expectancy:	Life of Structure



### UNDERSIDE VIEW OF COMPETITIVE PANEL SYSTEM

2'x2' subfloors have open seams,  
that allow moisture to contact the wood,  
which may cause mold.

# DELTA®

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