

**C1TE**  
**EN 12004**

EUROPEAN NORM

# DOVA-FLEX 901 (C1TE)

High performance cement-based  
tile adhesive (C1TE).

**C1**



ISO 9001:2015  
CERTIFIED

QUALITY MANAGEMENT SYSTEM

970424A



ISO 14001:2015  
CERTIFIED

ENVIRONMENTAL MANAGEMENT SYSTEM

970424B



ISO 45001:2018  
CERTIFIED

OCCUPATIONAL HEALTH & SAFETY  
MANAGEMENT SYSTEM

970424C



Technical Data Sheet (TDS)

# DOVA-FLEX 901 (C1TE)



High performance cement-based tile adhesive (C1TE).

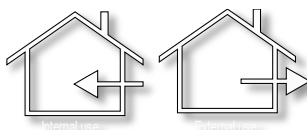
### Benefits

DOVA-FLEX 901 C1TE is a high-performance cement-based tile adhesive (C1TE), formulated with cement, selected aggregates, special additives and synthetic resins to improve workability, water retentivity, open time and adhesion. No vertical slip. Allows adjustment of tiles.

Indoor environment quality. Classified as A+



Technical data	
Appearance	Powder
Color	White
Bulk density	≈ 1300 Kg/m <sup>3</sup>
Density of the mix	≈ 1730 Kg/m <sup>3</sup>
Grading	0-600 μm
Mixing water,%	± 28%
Pot life	≈ 2 h
Adjustability time	≥ 30 min
Grouting	≈ 24 h
Coverage	≥ 3,5 Kg/m <sup>2</sup>
Tariff code	3824.50.90.00
Final performances	
Type	C1TE
Initial tensile adhesion strength	≥ 0,5 N/mm <sup>2</sup>
Tensile adhesion strength after water immersion	≥ 0,5 N/mm <sup>2</sup>
Tensile adhesion strength after heat ageing	≥ 0,5 N/mm <sup>2</sup>
Tensile adhesion strength after freeze/thaw cycles	≥ 0,5 N/mm <sup>2</sup>
Open time	30 min
Slip	≤ 0,5 mm
Total VOCs (28 days)	≤ 500 μg/m <sup>3</sup>



For interior and exterior use

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**USE**

Laying of ceramic tiles of medium and high absorption in interior walls and interior and exterior floors. Laying of small and medium porcelain tiles in interior walls and floors. Suitable for laying in pools.

**Substrates**

suitable for:

- ❖ Cement based substrates.
- ❖ Cement based renders /plasters and screeds.
- ❖ Concrete floors.

**Preparation of substrates**

Substrates must be clean, compact and free of substances that reduce adhesion such as dust, oil, grease and with no loose material. Uneven areas must be corrected with suitable smoothing and finishing products. Substrates must be free from any rising damp and have already completed the curing period of hygrometric shrinkage. Dampen substrates with water to cool down if they should be too warm, in case of wind or over absorbent substrates and wait until the thin layer of water disappears. Do not use on gypsum-based plasters or paint.

**Packaging**

Packed 20/25 kg plastic lined paper bags.

Storage: when stored unopened in a cool dry place, shelf life is 12 months from date of manufacture.

**Instructions for use**

Mix manually of mechanically Product with 6,50-7,50 l per bag of clean water until a homogeneous, creamy and lump-free paste is obtained. Let the mix stand for 5 minutes before application.

Small tiles must be fixed using a notched trowel of 6×6 mm. For tiles sizes greater than 400 cm<sup>2</sup>, a notched trowel 8×8 mm must be used. Spread the mixed product onto the substrate to a maximum surface area of 1 m<sup>2</sup> or no more than can be tiled within 30 minutes in normal conditions. Unfavorable environmental conditions (strong sunlight, drying wind, high temperature as well as a highly absorbent substrate), could drastically reduce this time to a few minutes. Bed the tiles firmly into the adhesive with a slight sliding and/or twisting action, to ensure a good contact and complete coverage.

It is good practice to lift an occasional tile after fixing, to verify that the required contact is being achieved. Back of the tile must be completely wet.

**Recommendations**

On gypsum substrates, apply Product primer before, to avoid contact between gypsum and the cement of the adhesive, avoiding adverse reactions.

Do not apply on plastic, metal or wood.

Do not apply below 5°C or above 30°C.

Do not apply when there is risk of frost, rain, strong wind or direct sunlight.

Leave joints between tiles with a minimum width of 2 mm. On floors with a surface area greater than 30 m<sup>2</sup>, it is recommended to leave separation or sealing joints filled with a deformable material.

On interior floorings larger than 15 m<sup>2</sup>, it is advisable to keep a free perimeter expansion joint between the floor and the wall or pillar, hidden by a skirting board (of approximately 5 mm).

The temperature, ventilation, and absorption of the substrate and covering materials, may vary the adhesive workability and setting times.

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EN 12004 - 1 C1TE



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## DOVA-FLEX 901 Tile adhesive

Cementitious tile adhesive  
with zero vertical slip,  
for absorbent tiles  
and common substrates  
ADHESIVE WITH PROLONGED  
OPEN TIME



**25Kg / ±2%**

DOVA FLEX 901  
C1TE



for interior & exterior use



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