

# 1.1 ADHESIVE FOR TILES IN FLOORS, WALLS, FACADES AND POOLS



Unit of measurement	Pieces/Pallet	Consumption	Color/Other specifications
25 kg/sack	54 pcs/pallet	3-5 kg/m <sup>2</sup>	Grey White



**DW COM**  
Cement-based adhesive, for the adhesion of ceramic tiles.

**PRODUCT CLASSIFICATION**  
DW COM is classified as C1 according to EN 12004, base C cement, Nr.1 adhesive with normal adhesive strength.

- CHARACTERISTICS**
- For indoor and outdoor use.
  - Good workability.
  - For ceramic fixing in cement-based surfaces.
  - For ceramic fixing in gypsum surface after being treated with PRIMER.

**AREA OF USE**  
DW COM is used for laying ceramic tiles, tiles of small dimensions on various surfaces such as: concrete, cement and plaster-based floors. It is suitable for indoor and outdoor use in residential environments.

**APPLICATION PROCEDURE**  
**Preparation of the surface**  
Cement-based traditional supports should have a sufficient maturity time of (28 days in temperature 23°C and U.R 40%). Supports should be flat, stable and in function of intended use. The support where the product will be overlaid should be clean, free of external materials, such as: paints, oils, varnishes, anti-adhesion materials. The cleaning is made mechanically or manually. Before the application of the product, the plasters should have a maturity time of at least 1week for 1 cm of thickness. The supports should be mechanically stable, in function of intended use. The surface of the support where the product will be overlaid should be clean of any type of external material.

**APPLICATION**  
For a better application of the product, and for a good and uniform spreading of it in the entire surface, it is recommended that you first lay the product on the support through the straight blade of the trowel, and then through its notched part. The product should be applied

with a suitable trowel, depending on the type and parameters of the tile. It is recommended that after laying the tile, you put pressure on it so that the back part of the tile gets completely saturated with the adhesive. Special conditions, such as: high temperatures or strong winds, sun or substrates with a high absorption of water, affect negatively the performance of the product and can even decrease significantly the spreading and correction time. To avoid these problems, it is recommended to sprinkle the support with water before the application of the product, or to treat it with the liner DW PRIMER. However, in any case, it is important that before the laying of the tiles, you check if the adhesive has created a "skin". In such cases, you should re-spread the adhesive in order to re-activate its adhesive strength. You should avoid pouring water over the adhesive which has created a skin (is solidified) because in such as case, an anti-adhesive layer is created. In cases of coatings and floors in outdoor environments, especially in cases when the back part of the tile has relief, it is recommended that you spread the adhesive in the pack part of the tile and also on the support, so as to avoid the creation of cavities where water can penetrate, or moisture can be created, which can cause the tiles to detach or break.

**CONSUMPTION**

Depending on the used trowel	
Notch of trowel (mm)	Consumption (Kg/m <sup>2</sup> )
4 mm	2.0 Kg/m <sup>2</sup>
6 mm	2.7 Kg/m <sup>2</sup>
8 mm	3.3 Kg/m <sup>2</sup>
10 mm	4,0 Kg/m <sup>2</sup>



#### TECHNICAL DATA

Form	Powder
Color	White/Grey
Density	1650 gr/L
Pot life	4 hours
Temperature of application	+5°C up to +35°C
Open time EN 1346	≥ 20 minutes
Correction time	≥ 30 minutes
Adhesion strength	
- After water immersion	≥ 0.5 N/mm <sup>2</sup>
- After freeze-thaw cycles	≥ 0.5 N/mm <sup>2</sup>
- After heating	≥ 0.5 N/mm <sup>2</sup>
- After normal condition	≥ 0.5 N/mm <sup>2</sup>



#### PACKAGING

DW COM is supplied in 25 kg paper bags.

#### SHELF-LIFE - STORAGE

12 months, if preserved in normal premises and in its original packaging, protected by the direct exposure to sun and frost.