

VINYL 500 EXTRA FLEX



Vinyl acrylic deformable tile adhesive



■ PROPERTIES

Next generation, and highly flexible tile adhesive based on cement and reinforced with a high content of vinyl resins (vinyl acetate 4.50%). Distinguished for its thixotropy, zero vertical slip, and durability even in permanent moisture and frost. Once cured it is resistant to the creation of fungi. Allows for applications of up to 20mm, without sagging, while it has an extended open time.

Classified C2TE S2 per EN 12004 and EN 12002.

■ APPLICATIONS

VINYL 500 EXTRA FLEX is ideal for installing low and non-absorbent tiles and large size granites, on building facades. It is necessary for installing very hard and resilient tiles, like klinker, gres, porcellanato, porcellanato smaltato and ceramic or glass mosaics. Distinguished for its durability against expansions and contractions indoors, associated with floor radiant heating systems, and intense

temperature variations in outdoor spaces, such as balconies and terraces. Also distinguished for its durability when used in areas with permanent moisture, such as athletic and swimming pools, fountains, bathrooms, showers, etc.

It is suitable for heavy traffic areas, such as car showrooms, airport terminals, shopping malls, super markets, as well as catering halls and public areas in general. It is ideal for every kind of sound substrate, such as cement screeds, brushable cementitious substrates, prefabricated concrete walls, existing tiles, terrazzo and mosaic, as well as marble or gypsum-based plaster and aircrete. Its high thixotropy allows for wall tile installations top down.

■ USE

1. Surface preparation

The application surface has to be sound, clean, free of loose materials, dust, paint, grease and oils. The surface has to be soaked before the application.

The technical specifications and directions of use contained in this technical data sheet are the results of the knowledge and experience of the company's research and development department, as well as from the real-life applications of the product. The recommendations and suggestions regarding the use of the products are made without guarantee since the respective conditions during their application are beyond the control of the company. For this reason, it is the user's responsibility to make sure that the product is suitable for the intended application as well as the application conditions of the project.

VINYL 500 EXTRA FLEX



Vinyl acrylic deformable tile adhesive

It is necessary to prime all absorbent substrates and aircrete, using either the ACRYLIC EMULSION or D-20 of DUROSTICK, at a mixing ratio of 1:1 with water. It is necessary to prime all cement boards using either the micromolar stabilizer AQUAFIX or SOLVENT BASED PRIMER of DUROSTICK. Lightweight or else, unsound cement screeds, must necessarily be primed with DUROSTICK ACRYLIC EMULSION or D-20 at a ratio of 1 part additive to 2 parts water or 1 part DUROMAX to 5 parts water. Follow all balcony and terrace, bathroom and shower, fountain and swimming pool applications by coating the substrate with HYDROSTOP FLOOR, D-1 or D-1 FLEX with 2-3 successive, crosswise coats to ensure the waterproofing of the substrate.

2. Application

Empty 25kg of the adhesive into a clean container with 7.0-7.5lt of cool water. Mix with a low rpm electric mixer until a lump free, homogeneous mass is created. Allow the mixture to mature for 5-10 minutes. During use mix periodically, without adding extra water. Apply the adhesive using a notched trowel and spread on the substrate evenly. Coat as much surface as is required to work for the next 15-30 minutes (depending on weather conditions), thus avoiding skin formation. Finally, install the tiles in the selected position by tapping softly with a rubber mallet. When working with large format tiles, the installation is done by the method of double-coat application, on the substrate, but also on the tile (tile back buttering).

■ USEFUL TIP

Tile installations on high load and stress surfaces (balconies, roofs, athletic and swimming pools, garages), make it necessary to use high-quality bonding products because, besides the assurance they provide, their cost is very small when compared to the value of the tiles and the installation cost.

■ NOTE

On exterior surfaces, it is highly recommended to create expansion joints every 16-20m². Prime the expansion joints with PRIMER-PU, to improve grip, fill them with the backer rod of DUROSTICK, DS-265,

and seal them with the polyurethane sealant, DUROFLEX-PU. Similarly, seal all the joints (5-8mm) at the junction of the tiles and vertical surfaces throughout the perimeter. Alternatively, the application of DS POLYMER sealant, available in 32 colors (same ones with the grout colors of DUROSTICK), ensures sealing without cracking at the junction of the tiles with the skirting and above it as well. On floors with radiant heating systems, it is recommended to create expansion joints every 20m² and fill them with DS POLYMER sealant, available in 32 colors.

■ CLEANING

Clean all tools with water, immediately after use.

■ CONSUMPTION

3-5kg/m², depending on the size of the notch of the trowel, the smoothness of the substrate and the dimensions of the tiles.

■ STORAGE

Store in the factory sealed packages, in dry and shaded places, for 12 months from production date.

■ SAFETY DIRECTIONS

The product contains Portland cement. Before use, refer to the cautions on the product's packaging or the Safety Data Sheet.

■ PACKAGING

Paper bag of 25kg on 1.500kg pallet.

VINYL 500 EXTRA FLEX



Vinyl acrylic deformable tile adhesive

TECHNICAL SPECIFICATIONS (Measurement conditions 23°C and 50% R.H.)	
■ Form - Color	Cementitious mortar - White
■ Bulk density of dry mortar	1.30±0.05kg/lt
■ Slip per EN 1308	< 0.2mm
■ Water requirement	7.0lt water per 25kg mortar
■ Application temperature	From +5°C to +35°C
■ Temperature resistance	From -35°C to +90°C
■ Application thickness	Up to 12mm
■ Pot life	Approximately 7 hours*
■ Open time per EN 1346	30 minutes*
■ Time for minor adjustments	30 minutes*
■ Grouting	After 4-8 hours on wall, after 24 hours on floor
■ Foot traffic	After 24 hours
■ Deliver to use	After 12-14 days

PRODUCT PERFORMANCES	
■ Adhesion strength, per EN 1348, after:	
• 28 days	≥ 2.30 N/mm ²
• Thermal ageing at +70°C	≥ 1.90 N/mm ²
• Water immersion for 21 days	≥ 1.70 N/mm ²
• 25 freeze - thaw cycles	≥ 1.55 N/mm ²
■ Deformability S per EN 12002	2.5mm ≤ S < 5mm

* Depending on the weather conditions
(temperature, humidity).

NOTE: The product exceeds the statutory requirements
for C2 adhesive.

DUROSTICK S.A.,
MANUFACTURING OF ADHESIVES,
PAINTS & MORTARS
ATHENS: ASPROPYRGOS, ATTICA, GR: 193 00,
Tel: +30 211 60 03 500-599, +30 210 55 16 500,
+30 210 55 98 350, Fax: +30 210 55 99 612
THESSALONIKI: INDUSTRIAL PARK-SINDOS, S.B. 44,
STREET, DA 10, GR: 570 22,
Tel: +30 2310 795 797, +30 2310 797 365,
Fax: +30 2310 797 367
Email: info@durostick.com

The technical specifications and directions of use contained in this technical data sheet are the results of the knowledge and experience of the company's research and development department, as well as from the real-life applications of the product. The recommendations and suggestions regarding the use of the products are made without guarantee since the respective conditions during their application are beyond the control of the company. For this reason, it is the user's responsibility to make sure that the product is suitable for the intended application as well as the application conditions of the project.