



HIGH AND FAST INITIAL GRAB ADHESIVE FOR RESILIENT WALL COVERINGS.



### PRODUCT DESCRIPTION

- AC 500 is an acrylic adhesive in water dispersion easily applicable, white paste for application in a single coating.
- AC 500 is not inflammable and contains no toxic substances.
- AC 500 has good initial tack and after approx. ten minutes is ready to receive all types of non-moisture sensitive resilient and woven floor and wall coverings, provided the support is somewhat absorbent.
- Open time is approx. 20-30 minutes at +23°C.
- After drying the AC 500 film is flexible with extremely high cohesion and bonding.

### FIELD OF APPLICATION

- homogeneous and heterogeneous PVC wall coverings;
- multilayer PVC wall coverings;
- LVT (Luxury Vinyl Tiles).

### SUITABLE SUBSTRATES

- Concrete
- Cement mortar
- Chipboard panels
- Wooden substrate

### LIMITATIONS

- Not to be used at temperatures below 8°C.
- Not to be used for exterior application.
- Not to be used in areas subject to constant water exposure, immersion, or hydrostatic pressure.
- Not to be used in commercial showers, steam rooms, fountains, or submerged applications.
- Not to be used on a metal substrate.

- Not to be used on anhydrite substrates.
- Protect from the frost.
- Not to be used on screed with high moisture content.

### APPLICATION PROCEDURE

#### A) Preparation of the substrate

The substrates must be cured and sufficiently dry, mechanically strong, free from loose particles, grease, oils, paint, wax, etc. The cement substrates must not be subject to shrinkage after installing the wood. The moisture content of the screed must be lower than the maximum prescribed by the parquet manufacturer. It is necessary to check moisture content throughout the entire thickness of the substrate, using a carbide hygrometer. During spring and summer, renders must be cured for at least one week for every centimeter of thickness, and cement screeds must be cured for at least 28 days unless they have been made with DCI special binders for screeds such as Screed 80, Level S10, or with Level S30. In case of floating screeds over insulation or light weight layers and slabs on grade must be provided with a vapour barrier to prevent rising damp. Existing ceramic tile has to be thoroughly clean and degrease before proceeding to bond. Adhesion of the flooring may be improved by applying a layer of Primer EP-PU as adhesion promoter prior the installation. In case of old wooden floors has to be make sure that the planks of the old floor are well-bonded to the substrate. Remove any varnish or wax from the surface of the floor with sandpaper down to a bare wood finish and remove all dust with a vacuum cleaner. On anhydrite substrates the surface must be sanded and primed with Primer PU or Primer PU Fast.

#### B) Preparing the product

AC 500 is ready to use the product but is suggested

to mix the adhesive for homogenization.

#### **C) Applying the product**

Apply AC 500 to the substrate using a notched trowel suitable to the format. The open time of the product is maximum 30 minutes under normal temperature and humidity conditions, which must be taken into consideration when spreading the adhesive. If a skin forms, the adhesive must be removed and replaced.

#### **D) Installation**

Leave a short waiting time up to 10 minutes according to the application quantity, climatic conditions, substrate absorbency and type of covering. Make sure not to exceed open time 20-30 minutes in order to ensure proper wetting of the back of the covering. Lay in covering while the adhesive is still wet: the adhesive ridges have to be impressed. Take care to avoid air pockets and carefully rub the floor covering down to ensure good adhesive transfer to the backing. Avoid excessive stress on joints. After some minutes of installing the floor covering, it is always necessary to carefully roll it down again or to firmly rub it down.

#### **COVERAGE / CONSUMPTION**

Approximately 0.3 – 0.5 kg/m<sup>2</sup> according to the notched trowel.

#### **PACKAGING**

AC 500 is supplied in:

- 25 kg plastic bucket.
- 15 kg plastic bucket.
- 5 kg plastic bucket.

#### **SHELF LIFE-STORAGE**

Original sealed packaging of this product is guaranteed to be of first quality for 24 months if stored in a dry area. In places with high humidity, the shelf life of the bagged product will be reduced.

#### **SAFETY INSTRUCTION**

AC 500 is not considered dangerous according to the current regulation regarding the classification of mixtures. It is recommended to wear protective gloves and goggles and to take the usual precautions for the handling of chemicals. For further and complete information about the safe use of our product please refer to the latest version of our Safety Data Sheet. Keep out of the reach of children. Ensure good ventilation during and after use and drying. Do not eat, drink or smoke when using this product. In case of contact with skin or eyes, rinse immediately with plenty of water. Do not

allow product to reach sewage system, water course or soil. Clean tools with soap and water immediately after use. Give only empty containers to recycling. Dried product residues may be disposed of as domestic waste.

PRODUCT FOR PROFESSIONAL USE.

### **TECHNICAL DATA**

Product identity	
Consistency	Pasty
Color	Beige
Bulk density (kg/m <sup>3</sup> )	1400
Viscosity	120,000 (Rpm 5, Spindle 7)
Dry solids content (%)	70
Application data (at +23°C and 50% R.H.)	
Mix ratio	Ready to use
Consistency of mix	Very pasty
pH of the mix	7.5
Application temperature	+10°C to +40°C
Open time (according to EN 1346)	40 minutes
Adjustability time	approx. 40 minutes
Walking	After 5 Hours
Final performances	
Bonding strength:	3.4 N/mm <sup>2</sup>
Temperature resistance after final cure:	from -20°C to +90°C



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