



HYPERGLUE- TX40

One Component, Trowel Grade Polyurethane Based Elastic Adhesive

DESCRIPTION

HYPEGLUE-TX40 is a one component solvent-less, moisture curing polyurethane adhesive. The adhesive combines high elasticity and excellent mechanical properties, therefore allowing planks of wood to expand and contract without damage. It is suitable for bonding a broad range of parquet and wooden floors onto various indoor substrates.

RECOMMENDED FOR

Bonding of:

- Stab Parquet
- Laminated and pre-finished parquet
- Mosaic Parquet
- Industrial Parquet
- Chip Boards
- Exotic Timber
- Industrial Floors

FEATURES & BENEFITS

- Excellent adhesion
- One component
- Solvent and water free
- Easy Trowel Application
- Permanently Flexible
- Suitable for under-floor heating
- Sound dampening effect

APPLICATION

It can be successfully applied on:

Properly prepared, structurally sound Concrete, cement boards, chip boards, plywood and hard wood.

For direct application on ceramic tiles ALCHIMICA recommends using **Primer -T**. Please see technical data sheet for application details of the primer.

For on-grade sub floors, in order to protect from moisture it is recommended to use primer **AQUASMART-DUR** or **EPOXY-RESIN-21-CLEAR**. This primer may also be used in

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applications on dry gypsum or any substrate to improve the surface strength.

SURFACE PREPARATION

Clean the surface. Remove oil, grease and wax contaminants. Cement laitance, loose particles, mould release agents, curing membranes must be removed. Fill surface irregularities with adequate products.

For application over ceramic tiles, it is necessary to grind the tile surface and subsequently clean with an industrial vacuum, otherwise **Primer-T** must absolutely be used. In areas and surfaces that are sensitive to rising humidity the use of **AQUASMART-DUR** or **EPOXY-RESIN-21-CLEAR** is mandatory.

Before installation of wood flooring, the substrate moisture content should be checked and be in the range recommended by the manufacturer (usually max. 75% RH).

The application temperature should be 17-25°C with relative humidity 65 %.

PLACING:

The adhesive is applied to the surface with a notched trowel. The parquet staves are placed in the wet adhesive, pressed firmly to the surface and loaded with sandbags or something similar. With at least 24 hours before sanding and finishing the parquet.

CONSUMPTION

Depends on the sub floor
 1-1.2 Kg/m² 6mm notch rowel
 0.5-0.8 Kg/m² 3mm notch trowel

PACKAGING

15 Kg Pails



HYPERGLUE-TX40

SHELF LIFE

pails at a temperature of 5 °C - 25 °C in dry places.

Minimum 12 months in the original unopened

TECHNICAL SPECIFICATIONS

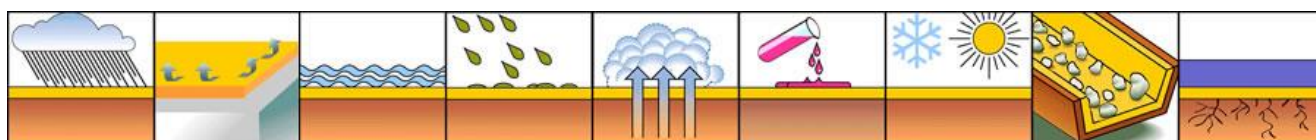
The Liquid product:

| PROPERTY | UNITS | METHOD | SPECIFICATION |
|---|--------------------|--|------------------------------|
| -Viscosity (BROOKFIELD) upon mixing | P | ASTM D2196-86, at 25°C | 20,000-30,000 |
| - Sag | - | - | Holds Ridges after troweling |
| -Application Temperature | °C | - | 5 - 40 |
| - Specific weight | gr/cm ³ | ASTM D1475 / DIN 53217 / ISO 2811, at 20°C | 1.35-1.45 |
| -Tack free time, at 77deg F (25°C) & 55% RH | hours | - | 1-2 |

The Film:

| PROPERTY | UNITS | METHOD | SPECIFICATION |
|--------------------------------------|-----------------------|-----------------------------------|---------------|
| -Service temperature | °C | - | -40 to 80 |
| -Max. temperature short time (shock) | °C | - | 200 |
| -Hardness | Shore A | ASTM D2240 / DIN 53505 / ISO R868 | >35 |
| -Tensile Strength at break at 23 °C | N/mm ² | ASTM D412 / EN-ISO-527-3 | >4 |
| -Percent Elongation at -25 °C | % | ASTM D412 | >900 |
| -Water Vapor Transmission | gr/m ² .hr | ASTM E96 (Water Method) | @0,8 |
| -Thermal Resistance (100 days, 80°C) | - | EOTA TR011 | Passed |

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