Polyurethane glue is still preferred glue for many floor fitters. It is “flexible” but it also has great mechanical and physical properties.
With epoxy-polyurethane adhesive, epoxy component are added which hardly affect the elasticity of the glue.
Epoxy-polyurethane glue is a marriage of two sorts of glues to produce what might be the most reliable glue around. And so, epoxy-polyurethane glue is often recommended for glue parquet in critical conditions, for critical substrates , or for so called critical sorts of wood.

New classification for parquet glue
It goes without saying that the choice of a glue depends on various factors. These factors relate to all aspects of parquet glueing.
For example the choice of glue is partly influenced by the nature and flatness of the substrate, the proprieties and dimension of the parquet floor itself , the sort of wood, width of parquet floor, the thickness of wood floor , type of floorboard (massive parquet, engineered parquet floor, solid wood, multi-layer parquet floor etc.) and the fact of whether or not the parquet floor is finished.
The presence of floor heating or cooling also plays an important part in the choice of glue.
Depending on the elements of parquet, a glue may or may not be elastic, and within the elastic category we can identify several variants.
The adhesive classification of the BBRI draws a distinction between “solid” and “flexible” glues.
Within the elastic glue we draw a distinction between : hard, soft and balanced.

Solid glue or flexible glue
Solid adhesive have high snap resistance and low elasticity. The strong adhesion and solidarity mean this glue will put more pressure on the substrate as the wood floor swells and shrinks. And so you need a substrate with high cohesion.
Solid glue are meant to counteract the movements of the floor and they posses great mechanical and physical properties. If you want to permit the wood to swell and shrink you have to use an elastic parquet glue or flexible parquet glue, which can absorb the tensile strength of the substrate and the parquet floor covering.

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Epoxy polyurethane or polyurethane parquet adhesive

Epoxy-polyurethane adhesive is therefore one of those wonderful hybrid parquet glues which combine all the good features of various sorts of technology.
As the name suggest , an epoxy-polyurethane parquet glue is a polyurethane adhesive with epoxy components. Some people call the combination of polyurethane and epoxy the most reliable and most effective parquet glue combine all the good of polyurethane with the strong properties of epoxy.

MAPEI ULTRABOND P902 2K EPOXY-POLYURETHANE PARQUET GLUE

From MAPEI range we have ULTRABOND P902 2K, a dual component epoxy-polyurethane glue for parquet and all king of floor boards include wide wood floor boards. This 2 component glue is composed of epoxy and polyurethane to combine the positive properties of both as much as possible in one adhesive with the advantage that no solvents or moisture are used to activate the glue and allow it to dry.
This glue is suitable for all types of wood floor and all sizes include wide floor boards.
ULTRABOND P902 2K is deployed for glueing wide and narrow floorboards onto cement-like substrates such as MAPECEM, MAPECEM PRONTO, TOPCEM, TOPCEM PRONTO and other comparable substrates.
ULTRABOND P902 2K can be used also on ceramic tiles, terrazzo tiles, anhydrite floors, under floor heating etc.
This glue is often used for glueing wood onto wood such as, for example : solid wood planks (with or without a tongue and grove construction), traditional parquet, and Burgundy on a sandpapered chipboard or wooden substrate.
The advantage of this glues are that they are versatile, lightly elastic , and have a long processing time.

MUREXIN Parquet Adhesive PU 560 –POLYURETHANE PARQUET GLUE

This top quality, two-component adhesive based on reaction resin is suitable for strip and prefabricated parquets (ex. Versailles wood panels), long strips and planks, wood blocks and exotic timber (test bonding required!) on absorbent and non-absorbent ground surfaces such as ceramic tiles and stone floors.

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