

Product Information Bulletin

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451 - TWO PART POLYURETHANE FLOORING ADHESIVE

DESCRIPTION:

451 is a solvent-free, non-flammable, moisture and weather resistant two part polyurethane adhesive suitable for indoor and outdoor applications. 451 in particular, is suitable for adhering sheet vinyl and rubber floor-coverings in "wet" areas to most common interior and exterior sub-floors. 451 is also suitable for adhering vinyl plank and tile in areas where direct sunlight can affect the plank and tiles dimensions.

CHARACTERISTICS AND ADVANTAGES

451 Part A (Resin)

- Viscosity Paste
- Colour Grey
- Spec. Gravity 1.45kg/l
- Mixing Ratio 4.5 parts by weight
- Pot life at 20°C Approx. 60min , high temperatures accelerate, while low temperatures will retard curing.
- Coverage 1 - 3m² /Kg depending on condition of subfloor, trowel size used and floor-covering being used
- Curing Minimum 8 hours - dependant upon ambient temperature and application.
High Traffic areas minimum 48 hours, preferable.
- Resistance Normal floor traffic acceptable after minimum 8 hours. 48 hours in high traffic areas.
- Resistance to chemicals Dilute acids, alkalis, solvents after 7 days.

451 Part B (Hardener)

- Viscosity Liquid
- Colour Dark Brown
- Spec. Gravity 1.2kg/l
- Mixing Ratio 1 part by weight

SURFACES PREPARATION

All subfloor surfaces shall be dry, smooth, sound and clean, free of wax, grease, oil, old adhesive, paint, curing compounds, laitance, bond breakers and all other contaminants that inhibit adequate adhesion to the sub-floor. The sub-floor must also be free from hydrostatic pressure or capillary action. The adhesive should not be used in excessive cold or hot conditions i.e. below 8°C or above 28°C.

It is recommended that highly porous timber or concrete sub-floor surfaces be primed with Holdfast Uro Seal and allowed to cure before applying the adhesive.

Uneven or damaged floors should be repaired with a cementitious levelling compound. All subfloors should be tested for moisture content prior to surface priming or application of this adhesive. The moisture content of the sub-floor should not exceed 5.5% and or the relative humidity should not exceed 70%. Do not use this adhesive if the moisture content /relative humidity levels are above the acceptable standards. All subfloors should in accordance with current Australian standard installation practices.

APPLICATION

1. Mix Part A (resin) with Part B (hardener). The quantities are at a ratio of 4.5 to 1 by weight. Stir the hardener thoroughly into the resin until a uniform grey colour is obtained (i.e. no streaks). For best results use a electric drill with mixing paddle attached. Maximum mixing time is 4 minutes.
2. Spread adhesive out onto a manageable area. Different trowel sizes will be needed for different floor-coverings.
3. Install the floor-covering into adhesive whilst still wet.
4. Roll the floor-covering per the manufacturer's instructions.
5. Do not allow heavy traffic for 48 hours after installation of the floor-covering.

CLEAN UP

Remove excess adhesive while still wet with methylated spirits, tools must also be cleaned with methylated spirits before adhesive sets.

PRECAUTIONS

1. Do not use adhesive below 10°C or above 28°C of sub-floor conditions.
2. This product will not stand up to Hydrostatic pressure or capillary action.
3. Mixing procedure must be strictly followed as per our instructions.
4. Ensure gloves are worn when applying the polyurethane adhesive.
5. Do not allow adhesive to freeze, unaffected by freezing when dry.

STORAGE AND USAGE

Use in well ventilated areas. Keep container closed, store away from sources of heat. Do not allow adhesive to freeze, unaffected by freezing when dry. This adhesive has a shelf life of 12 months from date of manufacture providing the adhesive is unopened and stored undercover at 20°C.

VENTILATION

Always make sure that there is adequate ventilation when using this adhesive.

CONDITIONS OF SALE: contain a limited warranty against manufacturing defects.

NOTICE TO THE PURCHASER

All statements and technical information contained herein are based on tests we believe to be reliable but the accuracy thereof is not guaranteed. Users assume all risk and liability resulting from the use of this product and must confirm the suitability thereof by their own tests.

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