



# TDS

## TECHNICAL DATA SHEET

### ARMOURFLEX® WOOD FLOOR LACQUER



#### DESCRIPTION

Armourflex® Wood Floor Lacquer is a professional high performance coating utilising the latest technology. Armourflex® reacts with oxygen to create internal cross-links for a strong coating without the need for mixing two pack systems. To further boost the technology ceramic particles have been added to it's formula providing greater strength & protection. Available in Natural Clear and Enriched Clear in 3 litre and 5 litre sizes.

#### PRODUCT INFORMATION

A water-based formula suitable for all solid wooden flooring including hardwood, softwood boards and parquet, with minimal impact on the colour of the wood. Not suitable for artificial wood effect laminate floors but can be used on wood veneer. Always test an inconspicuous area before starting any project to check product suitability and compatibility. Product shelf life is 18 months from date of manufacture.

#### PREPARATION

1. For freshly laid floors, allow the wood to acclimatise in the room for several days before treating.
2. Previously coated, waxed, polished or oiled floors must be fully sanded back to bare wood using appropriate floor sanding equipment before using Armourflex®. When using Armourflex® on previously overcoated wood that has not been sanded back properly, we cannot guarantee adhesion.
3. Resinous deposits should be removed with a scraper and the surface degreased, by wiping with a clean, lint-free cloth, dampened with methylated spirits. Change the face of the cloth frequently. Allow solvent to fully evaporate before proceeding.
4. Any surface defects or open joints should be repaired using a suitable wood filler for the floor. Those which require sanding dust to be mixed in will achieve the closest colour match. To achieve a uniformly flat surface, some wood fillers are suitable to apply in a thin layer across the entire floor, then sanded back to reveal a smooth surface below. Test the colour of the wood filler with the lacquer on a scrap piece of wood before using.
5. Remove any sanding dust with a vacuum or tack cloth. For an optimum finish, wipe with a soft cloth, lightly dampened to raise the grain. Allow floor to dry before a final sanding and vacuum.
6. If required, stain the floor using a water-based wood dye.

#### APPLICATION

Shake well and allow any air bubbles to settle. The product must be fully mixed to ensure a uniform finish. Supplied ready to use, do not thin. Care should be taken when pouring to make sure cured bits of lacquer from around the neck do not contaminate the body of the liquid.

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## APPLICATION

**Coverage:** 5 litres will cover approximately 20-30m<sup>2</sup> of bare wood with 3 coats, depending on the porosity and smoothness of the wood. (First coat approx. 8-12m<sup>2</sup>/L, subsequent coats approx. 15-20m<sup>2</sup>/L).

A complete guide to applying Armourflex® Lacquers is available at [www.barrettinePro.co.uk](http://www.barrettinePro.co.uk) or Youtube. Our recommendation to achieve the best finish is to use the Armourflex® finest lambs wool velour roller with a 4mm pile. Alternatively a roller based on the same/similar specification. A pad or good quality brush may also be used but avoid cheaper brushes which shed bristles and lack flexibility. If a lamb's wool applicator is used, vacuum or dab with masking tape first to remove any loose fibres. Start at the edge of the furthest corner of the room from the entrance. The product can be poured directly onto the floor or used in a tray/container. Ensure that the entire area is evenly covered. If necessary, use a small brush to apply around edges or corners.

1. Work swiftly and smoothly and maintain a wet edge to avoid overlap marks. The wood will absorb more lacquer on the first coat. Don't put pressure on the roller/pad and keep the yolk of the roller (the side metal frame) pointing in the direction you are working towards. This avoids leaving edge tracks. For very large & commercial areas, a number of people can apply at the same time to keep a wet edge. When overlapping, enter the previous section by around 1/4 of a roller length by gently placing the roller rather than pushing it through the open edge. This avoids leaving a line of lacquer from the front edge of the roller/pad. Avoid over-working the lacquer as this will cause marks and result in an uneven finish.
2. Once the coating has dried, apply the next coat as soon as possible. Each coat will take approximately 2 hours to dry. If necessary, carefully de-nib any raised grain between coats by lightly sanding with 240 grit or finer, in the direction of the grain. Remove any sanding dust with a vacuum cleaner before applying the next layer of lacquer but avoid dragging the wheels of the vacuum cleaner across the surface. The floor will take light foot traffic approximately 16 hours after the final application. For heavier use, such as loading with heavy objects, floor coverings or allowing pet access, allow 1 week for the lacquer to fully cure. Avoid wetting the floor before 1 week has passed, including damp mopping. Pets nails/claws should also be kept short, particularly large dogs.

## AFTER CARE / MAINTENANCE

All furniture should be fitted with felt pads on the bottom to protect the finish and should be lifted rather than dragged across the floor. Damaged or deeply scratched flooring that has been finished with Armourflex® Lacquer can be difficult to spot repair. Individual planks may be sanded back and re-coated but in severe cases the whole floor may need to be fully sanded back and retreated. For every day cleaning, vacuum or sweep the floor with a dry microfibre mop to remove loose dirt from the surface, to avoid scratches to the finish. The head of the mop should be washed with detergent (no fabric conditioner) after use, to eliminate dirt and grit from the fibres. Lightly dampening the microfibre can assist in removing light dirt. Treated floors should never be steam cleaned or saturated with water to clean them, as this may reduce the service life and performance of the lacquer, causing damage to the floor below. Any spills of water or other liquids should be wiped off immediately. For maximum longevity and optimum conditioning, floors should be cleaned regularly with a light spray of Armourflex® Wood Floor Cleaner and a microfibre mop.

## CLEANING EQUIPMENT

Clean applicators with Barrettine Bio Spirit and fresh water immediately after use. If spilled, the lacquer should be wiped off immediately with a damp cloth, before it can dry.

## CONDITIONS & LIMITATIONS

Wood tone and grain varies tremendously, even across a single plank. Armourflex® Floor Lacquer is a clear coating and the final tone and finish will depend greatly on the natural colours and grain in the wood. At time of coating, the moisture content of the floor should be 15% or less and the ambient temperature should be between 10°C and 25°C. The relative humidity must not exceed 65%. Avoid applying the lacquer in direct sunlight. If these requirements are not met, the curing and final properties of the floor could be impacted. Pets claws should be kept trimmed to keep the lacquered floor in good condition. **Storage advice:** Store in a cool frost free area between 5°C–25°C.

## HEALTH & SAFETY

Keep out of reach of children. The user is responsible for ensuring the product is suitable for the purpose, wood type and conditions before use and for preparing the floor to ensure successful application. **Always carry out a test patch.**