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Manufactured in the UK

TDS

TECHNICAL DATA SHEET

ARMOURFLEX WORKTOP OIL

DESCRIPTION

This high-performance wood oil is expertly designed for worktops and tables, offering superior nourishment and protection. It delivers a high-quality finish that effectively resists spills, stains, and scratches from everyday use with the benefit of being certified Food & Toy safe. Suitable for all types of solid wood and premium veneers, it naturally enhances the wood's rich tones, ensuring long-lasting protection without peeling or flaking. Treated surfaces are easy to maintain and should any damage occur it is easily spot repaired.

KEY FACTS

Drying Time	4-6 hours
Coverage	12 – 16 m^2/L (2 coats)
Number of Coats	2 coats
Application	Roller, brush or cloth
SG	0.900
Odour	Light solvent, little to no odour when fully dry
Flash Point	41°C
VOC content	450-460 g/l
Appearance	Yellow to amber liquid, free flowing, semi opaque

APPEARANCE

ArmourFlex Worktop Oil is a thick, hazy amber liquid with easily redispersed suspended wax particles. It has a mild, sweet odour and is available in both Matt and Satin finishes. When applied to wood, it enhances the contrast of the grain and warms the wood colour.

AREA OF USE

Suitable for use on all interior wood surfaces, including hardwoods, softwoods, and wood veneer. Safe for use on wooden surfaces intended for contact with food, e.g. kitchen worktops and chopping boards.

COMPATIBILITY

Not suitable for use over barrier coatings, such as paints, varnishes, or lacquer. These must be removed completely either by sanding, heat gun or paint stripping. If choosing to use paint stripper, either Barrettine Paint Panther® or Peelaway® may be suitable.

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PREPARATION

Before using, test a small inconspicuous area with all products to be applied to ensure a satisfactory final finish and compatibility.

Ensure that the wood has acclimatised and the moisture content is below 15%. This can be confirmed using a handheld moisture meter. Previous coatings must be fully sanded back before application. Resinous deposits should be removed with a scraper and the surface degreased, with methylated spirits. Repair cracks or open joints with a suitable wood filler. Use 120-150 grit sandpaper to achieve a smooth surface on the wood. Remove any sanding dust thoroughly before application. If required, apply wood dye.

IMPORTANT! Test the colour and compatibility with any wood fillers or dyes on a scrap piece of wood before use. Ensure good ventilation is maintained during application and throughout the drying process.

APPLICATION

Stir thoroughly before use. Stir thoroughly before use. Ensure good ventilation is maintained during application and throughout the drying process.

Ready to use, do not thin. Two coats are required, applied in thin coats using a short pile roller, good quality brush or lint free cloth. When treating bare wood, apply as much product as the wood will absorb, without leaving excess on the surface. Any excess can be buffed away after 30 minutes to minimise the drying time, although this is not essential.

The second coat is best applied with a cloth, in order to spread a thin layer across the door. It should not be overapplied as this will reduce the finish quality and prolong drying time.

DRYING

Touch dry in 4 hours under average climatic conditions (23°C, 50% humidity). Preferably allow to dry overnight. Variations in ambient conditions and substrate can affect drying times.

COVERAGE

Approximately 24-28 m^2/L (One Coat), 12-16 m^2/L (Two Coats), depending on wood absorbency and smoothness. The first coat will absorb more product than the second.

EQUIPMENT CLEANING

Clean equipment with Barrettine White Spirit immediately after use. If spilled, soak up or wipe off immediately with a cloth dampened with Barrettine White Spirit.

MAINTENANCE

Clean with a damp cloth and mild, neutral detergent. Abrasive or caustic cleaners may damage the finish and steam cleaning would not be recommended, as the water vapour will be forced through to the wood.

REAPPLICATION

Small marks and scratches can be touched up without needing to sand the surface. To renovate larger areas, sand lightly with 120-150 grit sandpaper to key the surface, without fully removing the Door Oil below. Ensure that the surface is clean, dry and free from dust, then apply a single, thin coat as per the original application instructions.

CAUTIONS

Cloths used for oiling could, under certain conditions, spontaneously combust. Immediately after use, soak them in soapy water then lay them flat outside on a non-combustible surface to dry.

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STORAGE AND DISPOSAL

Store upright in the original container with the lid tightly closed, between 5-30°C and out of direct sunlight. Once opened, close lid tightly between uses. If stored correctly, shelf life will be two years from date of manufacture. Keep away from children and pets.

Empty tins should be rinsed thoroughly with white spirit and disposed of via metal recycling, as per local authority guidelines. For disposal of waste product, contact the local authority.

HEALTH AND SAFETY

Wear appropriate personal protective equipment (PPE) such as chemical resistant gloves, overalls, and eye/face protection to protect against splashes. Nitrile gloves would be suitable protection for this product. If in doubt speak, to your PPE supplier and show them the product label/Safety Data Sheet or call us for further advice.

TROUBLESHOOTING

- The product has not fully dried within the expected time.
  - The drying time is affected by a number of factors including temperature, humidity, substrate type and the thickness of product applied.
  - The stated drying time is based upon a thinly applied coat onto medium-high density timber such as Oak, in typical interior climatic conditions (23°C, 50% Relative Humidity). It may be that the conditions are not optimal for drying e.g., when the humidity is high, or ambient temperature is low. In this case, it is worth waiting a little longer for the product to fully dry before applying a second coat or using the surface
  - Very absorbent surfaces can take longer to dry, because the drying process relies on oxygen from the air. This becomes restricted when the product has been absorbed into the substrate. Often, once the first coat is fully dry a second coat will dry in a much shorter time period.
  - ArmourFlex Worktop Oil performs optimally when applied in thin layers, so that there is only a gentle change in appearance of the coated wood. Thicker layers built on the surface of the wood will be slower to dry and in the worst case, the film could remain soft or squishy. Applying too much in a single application can also cause other issues such as uneven finish/appearance or preventing full hardness from developing, making the surface more susceptible to marks and scratches.
- The product has been overapplied.
  - Firstly, severe excess should be removed with a scraper, or wire wool soaked in white spirit. Following this, wipe down the surface with white spirit and allow to dry for 24 hours. Finally, lightly sand the surface and reapply a final thin coat as normal.
- The finish is patchy/not as expected/a different sheen after using ArmourFlex Worktop Oil.
  There are several possible causes for this.
  - Insufficient mixing before use can result in not enough matting agent being applied to the wood, so the surface can appear more glossy than intended, or glossy in some areas and matt in others.
  - Uneven/incomplete removal of previous coatings can cause failures in adhesion of the ArmourFlex Worktop Oil, or change the appearance.
  - Overapplication of each coat can lead to an artificial appearance or wrinkled surface.
  - Insufficient surface preparation e.g., uneven sanding can lead to uneven absorbance of the product. In these cases, any excess product should be removed, the surface should be lightly sanded, the tin stirred thoroughly, and then a thin coat re-applied.
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FAQs

1. Q - Why is it necessary to apply the Worktop Oil in thin coats?

A – Armourflex Worktop Oil cures by reacting with the oxygen from the air, forming a hard layer. However, once the top layer has cured it prevents oxygen from reaching the layers below. Consequently, applying too much in a single application will prevent full hardness from developing and will leave the layers below soft.

2. Q – I used Armourflex Worktop Oil and it dried brilliantly but has since become tacky. What can cause this?

A – This can occur if harsh chemical cleaners such as those containing alcohol are used, or cleaning products containing surfactants which have not been diluted sufficiently. The solution would be to lightly sand back and re-apply a fresh coat.

3. Q - What is the solids content of Armourflex Worktop Oil?

A - Approximately 50% which provides the optimal viscosity for penetration into the wood.

4. Q - You suggest a lint-free cloth – what is this?

A - A lint-free cloth simply means one which will not drop fibres. Some companies sell specific cloths branded this way. However, t-shirt material or a microfibre cloth would be suitable, providing it is checked for loose fibres before use.

5. Q - Why is it important to use a good quality brush? What properties should I be looking for?

A - A good quality brush will not shed bristles into the coating and will hold the product well, without it dripping too quickly. For a solvent-based product like Door Oil, natural bristle fibres work well.