

TECHNICAL DATA SHEET

HT100 Fibre-Reinforced High Temperature LVT Adhesive

- Fibre-Reinforced
- Very High Shear Strength
- Excellent Grab
- Low VOC Emissions
- Excellent Coverage
- Manufactured in the UK



Morleys HT100 Fibre-Reinforced High Temperature LVT Adhesive

Morleys HT100 Adhesive is a fibre-reinforced low VOC wet-lay adhesive with great grab and excellent adhesion/cohesion. Morleys HT100 Adhesive offers high shear-resistance with excellent resistance to heat and PVC plasticisers and is suitable for use over normal underfloor heating systems.

Morleys HT Adhesive is suitable for the bonding of Luxury Vinyl Tiles (LVT), for PVC and CV floor coverings in sheets or tiles on absorbent and smoothed substrates.

TECHNICAL DATA:

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| Container size: | 5 kg and 12 kg plastic buckets |
| Shelf life: | 12 months |
| Colour: | Off white |
| Coverage: | Up to 50m ² per 12kg (A2 trowel) |
| Open time sheets: | 5 - 25 minutes* |
| Open time tiles / planks: | 0 - 25 minutes* |
| Working time approx.: | 20 Minutes* |
| Minimum application temperature: | 15 °C at ground level |
| Loadable after approx.: | 24-48 hours* |
| Joint sealing after: | 24-48 hours* |
| Final strength after approx.: | 3 days* |

*At 20 °C and 65% relative humidity, depending on the type of floor covering and the absorbency of the substrate.

SUBFLOOR PREPARATION:

All parts of the installation should comply with the latest edition of the British Standard Code of Practice: BS8203 – Installation of resilient floorcoverings.

The subfloor must be sound, load bearing, level, dry, free from cracks, clean and free from material which would impair adhesion (e.g. dirt, oil, grease). The surface must be vacuumed, primed, and smoothed thoroughly.

Please note: This is a wet-lay adhesive, so the floorcovering must be laid while the adhesive is still receptive. Late placement will result in no bond being formed.

UNDERFLOOR HEATING:

Underfloor heating systems should be commissioned in accordance with the heating manufacturer's instructions before installation.

The underfloor heating system should be stabilised at room temperature, but not below 15°C, before installing the floorcovering. After installation allow 72 hours of constant temperature for the adhesive to fully cure before slowly increasing the temperature up to the normal operating temperature of the area.

APPLICATION:

Allow adhesive to reach room temperature before use. Before bonding floor coverings must be adequately acclimatised and free from tension and must be adapted to the common indoor climate for future use.

Optimum work conditions are 18 – 25 °C with a floor temperature above 15 °C and relative air humidity below 65 %. Low temperatures and high air humidity lengthen, whilst high temperatures and low air humidity shorten the drying time.

Apply the adhesive uniformly with an A2 notched trowel at 60° to an area of such size that the floorcovering can be laid whilst the adhesive is receptive and gives good transfer. Once the installation area is laid, roll immediately in two directions (at right angles to each other) with a 68kg roller. This is to remove any air and ensure good all adhesive contact. A second rolling is recommended approximately 1 hour later to ensure a strong bond is established.

This is a wet-bond adhesive so severe roll-end deformation, buckling or squeeze wrinkles, edges sticking up to an extreme degree or covering curvature must be loaded during bonding.

This adhesive can be used in areas subject to high temperatures, however, if a floor covering is being installed in areas with extreme temperatures, a polyurethane adhesive is recommended. If in doubt, please consult our Technical Department.

HEALTH AND SAFETY PRECAUTIONS:

Refer to Safety Data Sheet and follow the advice given. Ensure area of use is well ventilated. Avoid prolonged contact with skin and if sensitive, use barrier cream or gloves. In case of contact with eyes, mouth or nose, rinse with plenty of water and seek medical help. If adhesive is spilled, remove, and dispose of it according with national and local regulations for waste materials.

The above information is based on our experience and careful investigations. The variety of associated materials and different site conditions cannot be individually checked or influenced by us. The quality of your work depends, therefore, on your own professional judgement and product usage. If in doubt, conduct a small test or obtain technical advice. Observe the installation recommendations of the covering manufacturer.