

## TECHNICAL DATA SHEET

# JM400 MULTI-PURPOSE ADHESIVE

- Acrylic based Multi-Purpose Adhesive
- Manufactured in the UK
- Fast Grab & Strong Bond
- Solvent free – Low odour
- Excellent Coverage
- Suitable for use with Underfloor Heating



### Morleys JM400 Multi-Purpose Adhesive

Morleys JM400 Multi-Purpose Adhesive is a Fast Grab Acrylic based Multi-Purpose Adhesive for bonding carpets and vinyls. Morleys JM400 Multi-Purpose Adhesive offers excellent resistance to heat and PVC plasticisers and is suitable for use over normal underfloor heating systems.

Morleys JM400 Multi-Purpose Adhesive is suitable for the bonding carpets including needlepunch/fibrebonded, hessian backed, felt back, gel back, synthetic and PVC backed carpets. It is also suitable for bonding a wide range of PVC, vinyl safety flooring and CV floor coverings in sheets or tiles on absorbent and smoothed substrates.

### SUBFLOOR PREPARATION:

All parts of the installation should comply with the latest edition of the following British Standard Code of Practice: BS8203 – Installation of resilient floorcoverings or BS5325 The Installation of Textile Floorcoverings.

Suitable subfloors include concrete, sand/cement screed, smoothing underlayment, and flooring grade plyboard. 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. Very absorbent subfloors should be primed with Morleys JM1000 Universal Primer.

### 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 48 hours of constant temperature for the adhesive to fully cure before slowly increasing the temperature up to the normal operating temperature of the area.

This adhesive is suitable for use over underfloor heating, however, if a floor covering is being installed in areas with extreme temperatures, for example, a south facing building with large windows which could magnify the temperature, a polyurethane adhesive is recommended. If in doubt, please consult our Technical Department.

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## A D H E S I V E S

### 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 appropriate 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.

Remove adhesive residues with water while still wet.

### TECHNICAL DATA – JM400:

Container size:	5 kg and 15 kg plastic buckets
Shelf life:	12 months
Storage:	Store between 5°C and 30°C (protect from frost)
Colour:	Off white
Coverage:	Up to 45m <sup>2</sup> per 15kg (B1 trowel – Carpet & profiled backings) Up to 60m <sup>2</sup> per 15kg (A2 trowel – Vinyl)
Open time:	10 - 30 minutes*
Working time approx.:	20 Minutes*
Minimum application temperature:	15 °C at ground level
Loadable after approx.:	24-48 hours*
Joint sealing after:	48 hours*
Final strength after approx.:	48 hours*

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

### 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.