

Surface covering

Load spreading facing

For heavily loaded floors, i.e. truck floors, the load of pallet truck can be carried when a load spreading surface is bonded to the Omnia panel. There are two options: aluminium treadplate (minimal 2.5 mm e.g. 5 bar or rice grain) and plywood scuffing plate (minimal 6,5 mm). A good full surface adhesion and a bearer pitch of max 600 mm are prerequisite to the load spreading and carrying ability of the Omnia panel with facing.

Hard wearing covering

A lighter duty version of the treadplate is stucco sheet². It also provides a hardwearing surface, but minor load spreading properties. It is very useful and aesthetically attractive for pedestrian applications. This flooring is not suitable for pallet trucks.

A wide variety of plastic flooring is available. Some examples of customer application are:

Noraplan³: an industrial sheeting material with high wear resistance and high fire resistance ratings for use in trains.

Low cost PVC sheeting⁵ can be sourced widely in various qualities, from the top range of the Tarket⁴ Company to the lower end for caravan interiors.

Special purpose coatings, e.g. non-slip self adhesive films are part of the 3M or Heskin's sales program.

Coatings

Examples for liquid applied coatings are: natural rubber (horse trailer flooring (Titgemeyer GETO Horsefloor), PU coatings⁷ in a wide variety, eg. Rhino Linings.

Decorative and other covering

Other coverings could be suitable for special needs. Felts⁸ with ready to bond hot-melt adhesive and textured elastomeric foils⁹ could well be the solution for your application.

Adhesion

The adhesion of sheets can be achieved with double-sided tape. When necessary, the adhesion can be improved with 3M's Tape Primer 94. The Omnia panel needs a surface treatment for good adhesion of PU glues e.g. flame treatment.

The Mankiewicz Primer 997-85 provides a chemical solution to improve adhesion.

