

## Surface Covering

Omnia flooring is made up of the Omnia panel with a surface covering applied which can give the panel additional properties depending on the desired application.

### Load spreading facing

Flooring required for heavy loading applications e.g. truck floors, require a load spreading surface. Useful for floors where pallet trucks will be used as a high load is put on a small surface area (pallet truck wheels) and so the floor must not fail.

- Plywood scuffing plat (minimum 6.5 mm thick)
- Aluminium tread-plate (minimum 2.5 - e.g. 5 mm thick with a rice grain or 5 bar pattern)
- A completely covered 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 tread-plate is stucco sheet<sup>2</sup>. It 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:

- Noraplan<sup>3</sup>: an industrial sheeting material with high wear resistance and high fire resistance ratings for use in trains.
- Low cost PVC<sup>5</sup> sheeting can be sourced widely in various qualities, from the top range of the Tarkett 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 coatings<sup>7</sup> in a wide variety, eg. Rhino Linings

### Decorative and other covering:

Other coverings could be suitable for special needs could be the solution to your application:

- Felts<sup>8</sup> with ready to bond hot-melt adhesive
- Textured elastomeric foils<sup>9</sup>

### Adhesion

The adhesion of sheets can be achieved with double-sided tape or contact adhesive. 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. flametreatment. The Mankiewicz Primer 997-85 provides a chemical solution to improve adhesion.

