

TYPE 4: MULTI-LAYER FLOORING

Feature	Typical Characteristics
Description	Multi-layers of floor coatings or flow applied floorings with intermediate aggregate dressing(s). Often known as 'sandwich' systems
Typical thickness	2 mm upwards, depending on specification
Typical resin types	polyurethane, epoxy or methacrylate
Intended use	Medium to Heavy duty
Anticipated life **	MD: 3 to 5 years HD: 2 to 3 years (for 2.5 mm system)
Application method	specialist application techniques necessary
Loading	improved resistance to wear and impact damage
Chemicals	Good resistance to occasional spillage
Service temperature	-5°C to 40°C: grades available for lower temperatures
Colour	single or multi-coloured, also aggregate dependent
U-V exposure	Grades available
Appearance	Textured or profiled surface in gloss or matt finish
Osmosis	May occur
Cleaning methods	Requires rotary brush/vacuum machine
Hygiene / cleanability	Subject to surface texture
Suitability for food processing areas	Non-tainting grades available: limited use in permanently wet areas
Slip resistance in wet conditions	low slip potential, but dependent on profile of aggregate dressing
Anti-static	grades available

\*\* actual life will depend on product thickness, quality of the substrate and service conditions

- LD (Light duty)                      light foot traffic, occasional rubber tyred vehicles
- MD (Medium duty)                    regular foot traffic, frequent fork lift truck traffic, occasional hard plastic-wheeled trolleys,
- HD (Heavy duty)                      constant fork lift truck traffic, hard plastic wheeled trolleys, some impact
- VHD (Very heavy duty)              severe heavily loaded traffic and impact