



KRADAL FLOORING

Kradal™ Floor Tiles from Charles Parsons provide the ultimate fall injury prevention flooring solution. Specifically formulated using a new patented polyurethane technology, Kradal Floor Tiles™ deliver a floor surface that is safe and aesthetically pleasing. Each tile is made up of thousands of micro-spheres that optimise cushioning impact and provide a resilient floor surface for any high traffic area. They provide unparalleled durability and protection from falls in a single flooring material and are suitable for commercial and residential installation.

Kradal™ Floor Tiles also have the protection of Healthguard™, an antimicrobial treatment that protects your floor surface against the development of many yeasts, moulds, algae and bacteria including Staphylococcus Aureus (MRSA A129).

SHOCK ABSORBING PROPERTIES

Testing has been carried out comparing the effects of Kradal™ Floor Tiles on reducing impact force against various alternative surfaces in accordance with ASTM F344-01-A. The percentages* given are the reduction in peak force compared to the material(s) listed in the left column.

COMPARISON MATERIAL	PERCENTAGE* reduction in peak force
BARE CONCRETE	About 65% to 80%
BARE WOOD	About 65% to 80%
CARPET & UNDERLAY OVER CONCRETE	About 20% to 40%
CARPET & UNDERLAY OVER WOOD	About 20% to 40%

Fall-related injuries among older people is a major public health issue. Around one in three older people living in the community are estimated to fall each year and many fall more than once. In Australia, almost half of all fall injuries among older persons resulting in hospital admission occur in the home and a further 22 per cent take place in residential care facilities.

Falls are a leading cause of accidental death and injury in persons aged 65 years and over. Kradal Flooring is a solution which will have an immediate impact on quality of life.

CASE STUDY – NURSING HOME IN SUNNE, SWEDEN

Kradal tiles were installed in a nursing home in Sunne, Sweden. One year after installation, 22 falls have occurred on the shock absorbing flooring with no resulting injury compared to 130 falls and 5 fractures on the regular floor for the same period.

- Kradal floor results in fewer fall injuries in older people
- Patients falling on Kradal floor seem to suffer less pain, therefore indicating the floor also reduces other minor injuries
- Acoustic environment has improved considerably

INJURIES	REGULAR FLOORING	SHOCK-ABSORBANT FLOORING
Falls	231	25
Fractures	6	0
Minor Injuries	42	1