

## SCOPE OF USE

Dimond Structural Flooring Systems use a roll-formed profiled galvanised steel sheet as a component in reinforced concrete floor systems. The steel decking sheet provides both permanent formwork and positive tensile reinforcement in one way reinforced composite floor slab construction over concrete block walls, poured concrete beams, steel beams or timber beams, subject to the environmental limitations referenced to the appropriate grade of material selected.

It is critical to product performance that the loads applied, spans, formwork material thickness and overall composite floor slab thickness are designed within the appropriate Limit State Loads and limitations published in this manual.

Before commencing a project using a Dimond Structural Flooring System, the user must refer to the information within this manual and all sections as appropriate, ensuring relevant information is available to the end user. Failure to observe this information may result in a significant reduction in product performance. Dimond Structural accepts no liability whatsoever for products which are used otherwise than in accordance with these recommendations.

The information contained within this manual is only applicable to Dimond Structural Flooring Systems – it cannot be assumed to apply to similar products from other manufacturers.

### USE OUTSIDE THE STATED GUIDELINES

If the need arises to use the Dimond Structural Flooring System outside the limitations and procedures given in this manual or if there exists any doubt on product handling or use, written approval should be obtained from Dimond Structural for the specific project, before the project is commenced.