

INNOVATIVE RETAINING WALL DESIGN WITH LECA



When used against retaining walls, Leca® LWA will reduce the weight acting on the rear of the structure by at least 75%, in comparison to traditional fill materials. This reduction in weight can avoid potential sliding, overturning, slip and tilting or bearing failures and enables savings by increasing spacing between buttressing walls and reducing structural dimensions.

MINIMISE DIFFERENTIAL SETTLEMENT

As it is a free draining material, Leca® LWA has the added advantage of eliminating the need for rear wall block drainage.

- **Stability** - reduces the risk of embankment landslide and deformation.
- **Reduced settlements** - less damage to pipelines and other structures
- **Reduced earth pressure** - in structural backfill against foundations and retaining walls.
- **Drainage** - on sports grounds, fields and slopes.
- **Insulation** - protection for pipelines and service mains
- **Frost stability**
- **Limited compaction** - Exerted energy during compaction is minimal with a reduction in volume of approximately 10 -12%
- **Low density and ease of handling**, coupled with consistent high quality, make Leca® LWA a highly competitive alternative to other lightweight materials

