

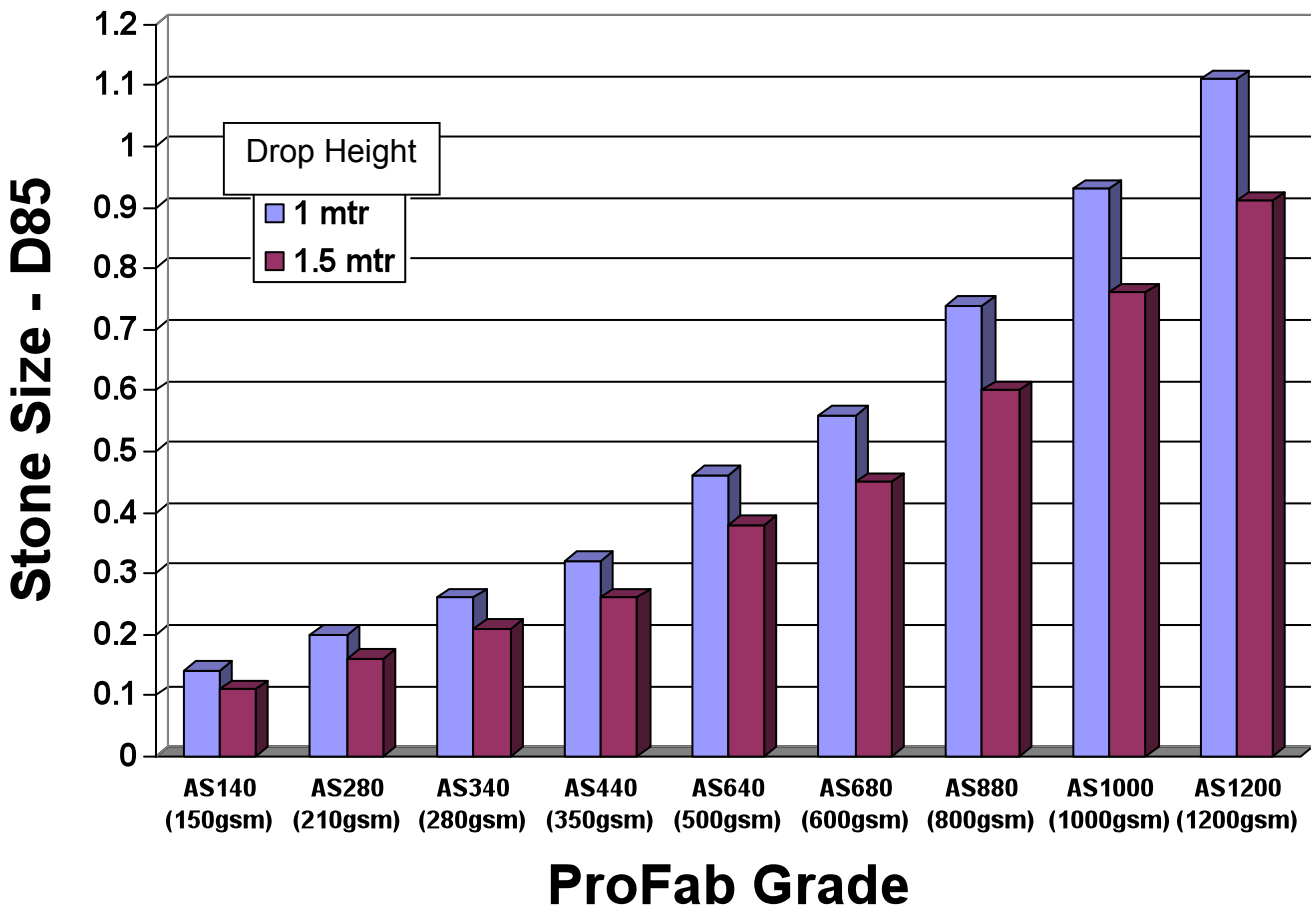


Global Synthetics

## ProFab Grade Selection – Rock Revetment Applications

The following chart represents the AUSTRROADS geotextile guide to the selection of nonwoven geotextile for armour filter applications. Selection is primarily determined by installation survivability which is assessed on interface stone size and typical drop height. The larger the stone size, the greater the required geotextile mass (for equivalent drop heights.)

This chart is derived from field and puncture tests performed by Lawson (1985), *Designing With Revetment Filters*.



N.B. The above limits are based on typical rounded stone. Where sharp angular stone is to be dropped at the geotextile interface, we suggest 'bumping up' to the next grade. This guideline is appropriate for 'dry' applications. For submerged conditions, a less conservative approach is justified due to buoyancy effects.