

# Product Guide - Pond Lining

## BENTONITE CLAY - GRANULES

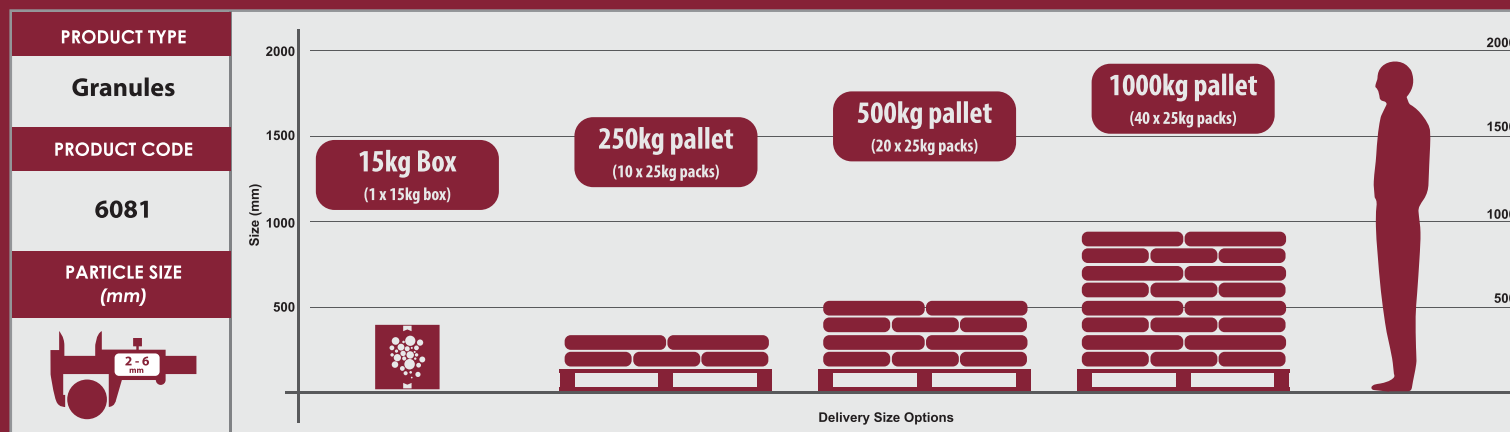
Product Code: 6081



\*Image for illustration purposes only

Bentonite granules provide an effective solution to prevent water seepage through natural, and man-made lakes, ponds and river beds. Low permeability barriers can be easily achieved by re-introducing a layer of excavation material "pre-mixed" with the clay granules. Once sufficiently blended in a cement mixer or similar, the mix can be re-introduced into the pond shape and then compacted. Additional strength can be added to the mix by creating a "sandwich" of the granule / soil mixture between geosynthetic (weed) membrane. Moisture in the surrounding ground will cause the granules to swell and form a self repairing seal. As a variation to this method granules can be mixed "in situ" into the excavated pond shape.

Unfortunately no absolutes can be given with regard to the proportion of granules to sub-soil for either a pre-mix or an in-situ method, this needs to be established on site with the actual soils being excavated. Our single bucket kits are ideal for experimenting with mix ratios before committing to larger orders. However, as a guide a mix of one pack (25kg) per square metre worked into the top 50mm (2inch) of sub-soil should provide a good seal to a typical "sandy clay" sub-soil.



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