

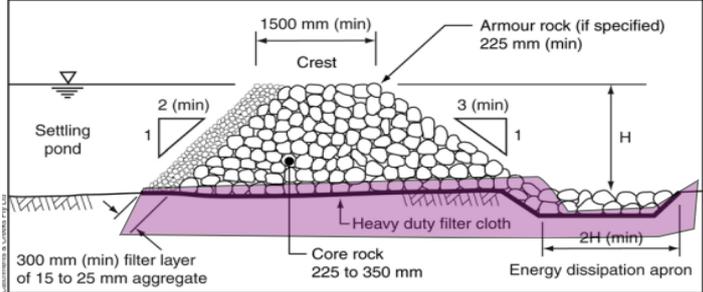
Quick Reference Guide

Installing a Rock Filter Dam (RFD)

Why install a RFD? To trap sediment, settling out heavier particles and filtering finer ones. Ideal for concentrated flows, they're durable, customisable, and support compliance with IECA best practices and EPA's erosion control requirements.

Step One - Prepare a stable foundation.

- * Clear all vegetation, debris etc.
- * Lay the heavy duty filter fabric under entire RFD area.
- * Minimum 600mm overlaps if needed.

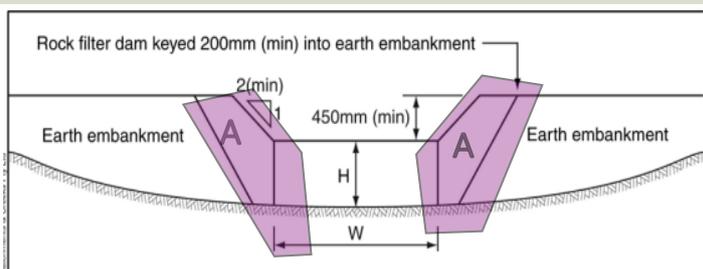


Pro Tips

- ~ Keep side slopes to 2:1 upstream; 3:1 downstream.
- ~ Multiple fabric layers on the dam face allow removal of clogged fabric w/o damaging the entire dam.
- ~ Remember to do weekly inspections and before and after rainfall.

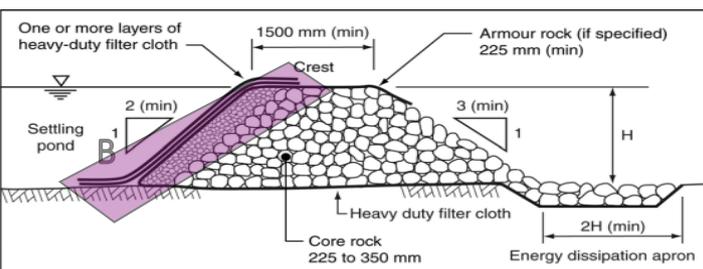
Step Two - Construct the rock embankment

- * Use 225mm minimum rock.
- * Embed 200mm into ground and side banks (A).
- * Build dam top for even overflow.



Step Three - Install the filter medium

- * Put 15mm -25mm rock or geofabric on upstream face to filter the water (B).
- * Extend the fabric over the dam, into the spillway if needed.



References

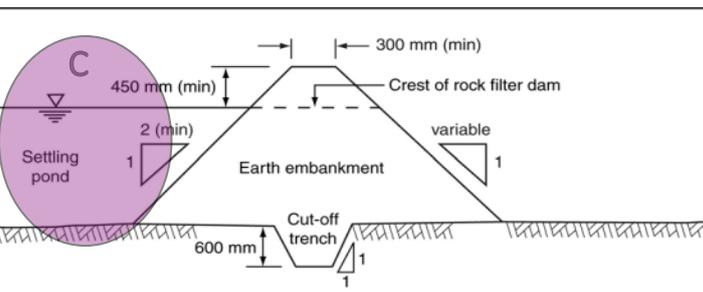
IECA Sediment control Fact Sheet - Rock Filter Dams

Pictures and technical details sourced from: IECA 2008, Best Practice Erosion and Sediment Control. International Erosion Control Association (Australasia), Picton, NSW.

Step Four - Form an adequate settling pond

- * Dig out or shape upstream area (C) to required surface area.

Clear the pond area only after the dam is in place so there is no sediment runoff during setup.



Step Five - Maintenance access

- * Have all weather maintenance access for filter replacement and/or sediment removal.
- * Dig diversion drains onsite to channel dirty water to the dam.

