

# Erosion Control Socks & Straw Wattles



Erosion Control Co Ltd have engineered a range of Erosion Control Socks and Filter Mediums to best suit the requirements of each and every site. Depending on your requirements we can supply prefabricated lengths or manufacture and install on site.

The purpose of the socks is to intercept, filter and contain 'dirty water' on earthwork sites ensuring that any water leaving the sites meets local authority guidelines and regulations. Erosion Control Co also supplies our product with a 'Sock Link System' creating a continuous line from easy to manage lengths of 6-7metres. Erosion Control Co can also supply socks containing soil specific Polyacrylamides for the sedimentation of fine clay particles.



Erosion Control Socks installed in a continuous line as a **silt fence alternative** to contain sediment run off prior to grass establishment. In this example socks were installed in 7m lengths with Erosion Control Co Ltd's **Sock Linking System**.



Sediment deposited from ponding during high rainfall periods as water slowly passes through the **filter medium**. The Double Skin Erosion Control Socks are also secured with stakes and twine to ensure optimum performance in storm events.



Once vegetation has been fully established the Sock can be **easily removed and relocated** to the next stage of earthworks. Tide marks in this photo show water levels from recent rainfall where the water was allowed to pass through in a controlled manner.



**Vegetated Socks and structural solutions.** Erosion Control Co can supply and install our socks as a green alternative to structures such as gabion baskets. **Seeded Socks can be left permanently** in situ in a range of applications.



Erosion Control Co Ltd supply a **Double Skin sock** providing additional durability and **protection against wear** and tear. As well as improved performance in the field the life span of the Socks is increased adding **value to the contractor**.



**Inlet Protection.** Erosion Control Co provide a range of solutions for the protection of **cesspits and inlets**. The devices are quick and easy to install and are highly effective at arresting sediment prior to entering the storm water system.

**Erosion Control Co Ltd's Straw Wattles** are a uniform compacted 9" or 12" tubular roll either Meadow Hay or Barley Straw encased in durable, photodegradeable netting and can be manufactured to lengths of up to 12m. Straw Wattles are a practical and extremely effective option to assist with soil stabilization, sediment retention and vegetation establishment. Their widespread application has proved an effective and economical solution to Erosion Control issues around earthworks. When applied to slopes as **SIDs** (slope intervention devices) running along the contours, Wattles act as sediment barriers whilst reducing sheet flow and further reducing erosion.



A combination of Straw Wattles and socks installed for protection during construction. **Straw Wattles are lightweight, easy to install** and can be easily moved if required, making them an ideal solution for **short term earthworks**.



**A continuous line of 12" Straw Wattles** installed to retain fresh topsoil prior to hydroseeding and filter any runoff. These Wattles were secured in a 2" trench to ensure a uniform ground contact along the length.



All components of Erosion Control Ltd's **Straw Wattles are bio-degradable** allowing the contractor to leave them in situ if required. Further benefits include **minimal ground disturbance** and **no waste products** going into landfill sites.



A series of Wattles installed as **SIDs (slope intervention devices)** slowing water **velocity across the slope** and further **trapping sediment**.



Straw Wattles make extremely effective **check dams** allowing water to pass through whilst trapping material on the upside.



Wattles installed to protect the watercourse and retain bark mulch within the banks.



**Straw Wattle Installation.** Straw Wattles should be secured to the subgrade with a combination of stakes and twine at 600mm intervals ensuring uniform ground contact along the installation. Continuity is achieved by either tightly abutting the next Wattle or overlapping by approximately 50cm. Once re vegetation has been achieved the Wattle can either be removed or left in situ to biodegrade naturally. As with any erosion control device, installed Wattles should be inspected regularly to ensure continued performance.