



# Concrete Weavers LLC

*it's a concrete miracle*

USER GUIDE:  
CLEANING & MAINTENANCE

## GENERAL INFORMATION

In most of projects, following installation Concrete Weavers does not require cleaning or maintenance.

For example, in channel lining applications, Concrete Weavers encapsulates the invert & slopes providing effective slope control preventing the generation & accumulation of slit.

The low Manning's value of the fibrous top surface of Concrete Weavers helps with the self-cleaning properties of a channel.

Concrete Weavers gives effective weed suppression, and avoids root-growing vegetation building up in the channel, moderating the danger of blockages and subsequent overflow.

Concrete Weavers protects against burrowing animal harm and includes a degree of structural stability to the channel, helping preserve its profile/cross section and hydraulic damage.

However, applications which incorporate slit traps or baffling, will require occasional upkeep/maintenance to remove/expel the gathered slit, which by design will collect around these measures.

In situations where Concrete Weavers has been ineffectively or poorly jointed & a void space happens between the layers, it is possible for wind-blown debris to accumulate which may give a base to restricted vegetation development or growth.

## REASONS FOR VEGETATION DEVELOPMENT & BLOCKAGES

In humid environment and particularly in water the management applications, the surface of Concrete Weavers gives a positive or favorable base for greenery development. This isn't harmful to the material and causes it mix in with the surrounding natural environment.

However, if root growing or developing vegetation establishes behind residue traps or between ineffectively jointed Concrete Weavers, it is important that these are cleared for two reasons; to prevent roots from comprising the strength of the joints & also to prevent vegetation forming blockages (from both the vegetation itself or from collected wind-blown or flow carried detritus).

For channels that have a shallow slope or gradient & are once in a while dry, windblown debris for example leaves can accumulate in the invert.

For crest drainage applications this debris will wash away during storm occasions because of the low Manning's value and self-cleaning properties of channel. Anyway for low flow channels, this debris may require occasional removal if water flow isn't adequate to give a cleaning function.







## MAINTENANCE STRATEGIES / UPKEEP & LEVELS

For all plans, it is recommended to occasionally review Concrete Weavers lined assets as part of routine maintenance or upkeep schedule or plans for any indications of basic of structural or hydraulic compromise.

There are three levels of surface maintenance or upkeep that can be applied to set Concrete Weavers; manual removing (brushing and shoving), assisted excavation (pressure washing & rodding) & plant maintenance (excavators and dredgers)

## MANUAL SERVICES OR MAINTENANCE

To loosen dirt and sweep debris from the Concrete Weavers surface a plastic yard brush can be used.

A shovel is recommended for areas such as silt traps with larger debris collections. To avoid directing debris into the joints, it is recommended to brush and shovel in the direction of overlaps.

## SUPPORT FOR MAINTENANCE / MAINTENANCE AIDED

Hosing, vacuuming & mechanical jetting can be utilized on set Concrete Weavers to remove finer surface residue & undesirable greenery growth or development.

Regular hydration of Concrete Weavers produces a mottled grey, organic rock like finish which is commonly thoughtful to the surrounding environment. Pressure washing the top surface fibres of Concrete Weavers will return the material to a bright white finish.

Please note, scouring of the sacrificial top surface fibres of Concrete Weavers may happen at areas subjected to sustained localized high pressure.

## MAINTENANCE OF PLANT

It may be practical to use plants or machinery to remove debris for larger schemes and where location, geography and access permits. The Concrete Weavers fiber-reinforced concrete layer provides good resistance to low-level mechanical impact; a rubber-tipped excavator bucket can be used to dredge the invert of channel.

Light plant should be used for Concrete Weavers channels and it is important that dredging is finished by a skilled operator & just toward overlapped joints, taking consideration not to damage the integrity of the joints.

Concrete Weavers CW Civil & CW Military has been tested to ASTM D8058 for impact protection & will provide a greater level of impact protection for sections requiring increased plant maintenance for example, sump regions or areas.

Guarantee that excavator tracks are kept up at a distance of at least rate 0.5m from the crest of the channel, to avoid from harming covered anchor trenches.



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