

Care & Maintenance Guide:

ShieldSafe Doors

The ShieldSafe range of door and window screens are manufactured using only the highest quality materials available.

As such we stand behind not only the construction of our finished product but also the hand-picked materials for which they are manufactured.

The Shieldsafe SP82 – 316 Marine Grade Stainless Steel is a highly corrosive resistant material, however nothing is completely exempt from Care & Maintenance in the harsh Australian conditions.

In order for your screens to retain their finish integrity, a certain amount of Care & Maintenance is required subject to the environment and location to which they are installed.

Maintenance can come in many forms; however, it is not only the method of that maintenance but the frequency in-line with the environmental conditions which will make all the difference to the longevity of the finished product.

ShieldSafe only recommends the use of 316 Marine Grade Stainless Steel Mesh in corrosive environments, however Stainless-Steel mesh will attract airborne moisture, salt and other dirty and debris regardless of where it has been installed.

Unless maintained, cleaned and washed in accordance with the below cleaning recommendations, the probability for mesh discolouration is likely.

To understand the recommended frequency for Care & Maintenance please refer to the below table:

Location	Details	Maintenance Frequency
Mild	Metropolitan or Regional Areas – 10km from Ocean/Harbour	Every 6 Months
Moderate	Outside 5km of the Ocean/Harbour	Every 2-3 months
High	Within 5km of the Ocean/Harbour	Every 2-4 Weeks
Extreme	Within 1km of the Ocean/Harbour	Every 1-2 Weeks

Note:

The above recommendations follow the same guidelines for corrosion grade testing laid out in the ICP002 – 2021

Oceanfront and harbour can also be referred to as beach/harbour/river and or any salt water tidal body water system that will release airborne moisture and salt.



Maintenance for 316 Stainless Steel:

Mesh manufactured from this material will provide a superior resistance to corrosion in all climatic conditions. Typically supplied in a powder coated finish the product will prove to be a barrier to corrosion in difficult conditions such as beach side or industrial areas. To ensure the optimum life span for this product the following maintenance regime must be observed.

1. Wash the mesh down with a mild domestic neutral Ph detergent and warm water in-line with the above frequency recommendations. Cleaning should be conducted only using a soft bristled brush and warm (mains) water. Special consideration should also be given to ensuring all residue from the detergent is removed as part of the cleaning process. This will remove built up salt or acidic contaminants. These build ups, if allowed to sit for more than this period have the ability to destroy the barrier of powder coat and may lead to a phenomenon known as 'Tea Staining'. This staining looks like very light rust or red dust trails on the mesh and can be difficult to remove.
2. Use a soft brush to gently remove any build-up of salt in beachside conditions as soon as practicable once discovered and then wash off with gentle pressure hose water. This build up will typically look like a grey/white coloured powder that tends to sit in the mesh holes. Failure to remove this build up quickly will lead to unsightly stains and eventually failure of the finish on the mesh.

Maintenance for Galvanised Steel:

Mesh manufactured from this material is not suited to highly acidic or salty environments such as beachside or industrial areas. This mesh provides a very good mechanical solution and meets all Australian standards. In order to optimise the life span for this product the following regime must be observed.

1. Wash the mesh down with a domestic neutral Ph washing detergent and water at least once per month. This will remove built up salt or acidic contaminants. These build ups, if allowed to sit for more than this period have the ability to destroy the barrier of powder coat. Once the barrier is removed the galvanised finish will be subject to staining and may fail over time.
2. Use a soft brush to gently remove any build-up of contaminants including dust and salt and then wash off with gentle pressure hose water.

Maintenance for Perforated Aluminium Mesh:

Mesh manufactured from this material will provide very good resistance to corrosion in all climatic conditions. Typically supplied in a powder coated finish the product will prove to be a good barrier to corrosion in difficult conditions such as beach side or industrial areas. To ensure the optimum life span for this product the following maintenance regime must be observed:



1. Wash the mesh down with a domestic neutral Ph washing detergent and water at least once per month. This will remove built up salt or acidic contaminants. These build ups, if allowed to sit for more than this period have the ability to destroy the barrier of powder coat. Once the barrier is removed the galvanised finish will be subject to staining and may fail over time.
2. Use a soft brush to gently and carefully remove any build-up of contaminants including dust and salt and then wash off with gentle pressure hose water.

Mechanical/Moving Parts

Whilst locks are covered under the mechanical warranty of the product, the only lubrication recommended is a small puff of graphite powder into the key-way on a periodic basis.

For the latching/locking tongue and auxiliary points, a periodic spray of wet lubricant / Teflon spray is highly recommended especially in areas listed above as High / Extreme.

The following has been composed to ensure the longevity and lasting effect of your finished product is sustained. Failure to comply with these recommendations will of course lead to visible changes, performance and validity of any such warranty.

For any further information please contact – sales@shieldsafesecurity.com.au

