



Power Tool Surface Preparation

There are 2 specified methods for power tool surface preparation of weld zones and plate attachments. These are the 3M Clean and Strip disc and the Bristle Blaster. The 3M Clean and Strip disc is the most accessible to purchase and is a consumable. It is also good to get into the internal corners which can be more difficult for the Bristle Blaster unless you have a 90 degree attachment for that.

3M Clean & Strip Plus Bristle Blaster Data Sheets

Refer to the links below to see recommended surface preparation techniques.

Scotch-Brite™ Clean and Strip XT-DC Disc offers a quick and simple solution for the cleaning and stripping of rust, scale and surface coatings. The Clean and Strip Disc provides a surface profile for paint to be applied to. The reinforced fibreglass plate allows you to quickly mount the disc to your angle grinder so you can get on with the job. Further information is available by contacting 3M on phone: **136 136** or www.3m.com.au.

Bristle Blasting is a process that uses a specially designed rotary bristle power tool for surface preparing steel. Bristle Blasting creates a texture and visual cleanliness that mimics what is obtained by traditional abrasive blasting processes.



[Bristle Blaster Fact Sheet](#)



[3m Clean & Strip Disc](#)



Power Tool Surface Preparation Videos

Go to the video link below to see what the surface preparation process is by viewing videos. Place particular attention to good fabrication quality as this affects any coating process.



[MAXI-TUBE® Surface Preparation Videos](#)

Weld Zone and Plate Coating Specifications – Base Coat & Colour Match Coat

The paint specifications below are the recommended epoxy paints to use when the surface was power tool abraded. Some zinc rich epoxies are not recommended to be applied over power tool abraded surfaces. In all cases the desired paint thickness must be achieved and **this will often be a minimum of 2 coats of the specified paint** over the black steel plate or damaged MAXI-TUBE® coating. The MAXI-TUBE® Grey paint is just a colour match paint.



[Galvanite](#)



[Zinc Rich 1P](#)



[DUREBILD®](#)



[Interzinc 52](#)



[Amercoat 68HS](#)



[MAXI-TUBE Grey
Colour Match Only](#)



Corrosion Category – When Power Tool Surface Preparation is Suitable

With most paint processes over black steel or damaged zinc alloy coatings, an abrasive blasting is preferred. Power Tools can be used but there are limitations with the performance of the paint barrier when applied to a power tool abraded surface in harsher environments.

- C1 to C3 – Acceptable, but for C3 environments contact paint supplier tech rep to confirm the recommended surface preparation and paint specification for the project.
- C4 – Contact paint supplier tech rep for the recommended surface preparation and paint specification for the project.
- C5 – Not acceptable.

Stainless Steel Plate Attachments – Alternative method to black steel plate attachments

Contact Orrcon Steel for more information and a recommended specification. Refer to our website link below which contains a welding stainless steel to MAXI-TUBE® fact sheet.

www.orrconsteel.com.au/maxitube

NOTE:

1. For actual project enquiries contact the paint supplier technical rep and ask for their recommendation of the surface preparation and paint specification based on the design, and environmental application.
2. For fully painted MAXI-TUBE® specifications contact Orrcon Steel or your paint supplier for further information.

