

## Conformal Coating Masking Boots

Masking boots are an integral part of a full masking solution in coating applications for printed circuit boards, whether this is for a liquid conformal coating process or a vapor deposition process such as parylene.

Many components and parts on a printed circuit board must remain uncoated from conformal coating. The purpose of the masking boots is to provide easy to use covers instead of alternative materials like masking tape and dots to prevent coatings from going to the wrong areas.



### Where are Conformal Coating Masking Boots Used?

Our masking boots provide protection for many different types of components for all conformal coating application techniques. These processes include batch and selective robotic spraying (as an alternative to difficult technical programming), vertical and horizontal dipping and vapor deposition such as parylene.

## **What types of Masking Boots are available from Diamond-MT?**

Diamond-MT can provide both standard and custom boots solutions for a customer depending on their needs.

Diamond-MT already has a wide range of custom boots and designs within stock or ready to manufacture. We can quickly match these to your needs. If this is not possible then we help to develop a custom solution through our design services to help you get the protection you need in your conformal coating process.



## **How are Masking Boots used?**

They are used by applying them over the components such as connectors, plugs, and sockets that require protection from the conformal coating applied. They can be simple boots that fit over the top of a connector or a more sophisticated design which wraps around the device and fastens together.



## **What would happen if I don't mask my circuit board correctly?**

The simple answer is the conformal coating is likely to go where you do not want it to. This will lead to the obvious step of repairing the leak, stripping the

conformal coating off, removing a component to replace it, or scrapping the board.

## **What conformal coating materials can be used with masking boots?**

The masking boots are compatible with the full range of conformal coating materials and solvents including all of the parylene compositions and the liquid conformal coatings like acrylics, polyurethanes, silicones, and epoxies. The boots are generally made of silicone rubber but alternative materials can be used depending on the application.