



THERMOSHIELD APPLICATION & EQUIPMENT GUIDELINES

EQUIPMENT NEEDED:

- 1 x Airless Spray Gun (diaphragm pump)
- 1 x Water pressure cleaner (3000 psi minimum)
- 2 x 15 meter 3/8 airless hose
- 1 x 7.5¼ airless hose
- 1 x High pressure filter
- 1 x suction system (hopper is better)
- 1 x 523 / 423 spray tip
- 1 x 511 spray tip (application of etch primer)
- Plastic sheeting (for coverage where required and mat for work area)
- Broom or preferably mechanical blower.

METHOD OF APPLICATION

1. Remove any surface dirt, leaves etc. (e.g. under roof capping and gutters) with mechanical blower.
2. Completely clean the surface with power washer. If there is flash rust, this must be addressed separately prior to power washing – generally done with a cut brush to bring back to a clean sound surface;
3. Check roof fastenings to ensure that all galvanized nails are replaced and secured with tech screws.
4. Any waterproofing problems that may occur, particularly around roof penetrations, must be addressed. Please note that as the product is acrylic, one should use an acrylic based waterproofer (we manufacture one called Mega-Bond Seal). If you prefer to use a silicon or solvent based waterproofing compound, use sparingly so as not to have it liberally plastered all over the place, because at this point of contact you could come across an adhesion problem.
5. If a colour bond roof, etch primer must be applied with 511 spray tip.

6. Once clean, it is important to get your first coat of Thermoshield on fairly quickly, especially if you have done a rust treatment. The longer you delay your first coat, the more potential there is for flash rust to re-occur.
7. Once the first coat is dry (it should not take too long as it dries by means of evaporation, however you must be careful of humidity) you can proceed directly on with the second coat.
8. Each coat is applied at a wet film thickness of 250 micron with a 423 or 523 spray tip (use of wet film gauge), giving you a total wet film thickness of 500 micron.
9. **DO NOT** spray when there is any evidence of wind because (a) you will get too much drift; (b) you will use twice as much product; and (c) to obtain coverage you will find your application is greater than 250 microns per coat.
10. When measuring the surface area it is important that you factor in the various profiles to give you the extended length, which is your true surface area, for example : on a corrugated profile one should factor in 15% on top of your surface area, and on clip lock deck factor in 22%. If you do not do this you will find that you will be short of product.
11. Spread rate is 1 Litre = 2 meters square. I quote for jobs on a square meterage basis.

A couple of tips that I find useful:

- If I have to wander off for whatever reason, I always place a wet rag over the top of the bucket or hopper, whichever I am using, to prevent the product from skinning over.
- As an added insurance, I have passed the product through a ladies stocking, just to be on the safe side (i.e. I stretch it over the top of the bucket).
- Make sure that there are no cars or equipment that could be subject to overspray or drift.