

MarineShield UltraFlex Application Kit

"RIB"/ INFLATABLE BOATS.

Rolled Application Instructions:

Personal Protection:

Always wear personal protective equipment when mixing and applying product, check Safety Data Sheets for full personal safety instructions.

Conditions required for application:

1. Do not apply in direct sunlight, but in a well-ventilated area.
2. Humidity must NOT exceed 75%.
3. Do not apply when temperatures are likely to fall below 10°C for 1½ hours within the first 2 hours after application, Low temperatures will affect the drying process.
4. In higher temperatures 25°C to 30°C and high humidity the paint will tack off and dry faster.
5. Do not apply when temperatures are likely to rise above 30°C & 75% humidity.
6. Areas that have existing branding either painted or stuck on will need to be masked off and not coated.

Spot Test:

Prior to application we recommend completing a spot test on a small area that is in a non-obvious location. This test is more important if your substrate is Hypalon as the material composition varies between manufacturers. This test is to ensure that the substrate is not contaminated or subject to impregnated silicon.

1. Find a small area where not visible easy to see.
2. Prepare and clean as per the instructions below.
3. Apply a small mixed quantity to test area.
4. After curing remove tape lines and test for adhesion.

Substrates not approved for UltraFlex Application:

Pennell "Orcathane 289M" fabric

Substrate Preparation for New and Used Substrates:

1. Put on 1 pair of clean gloves provided, safety glasses and respirator mask.
2. Do a spot test to ensure that the UltraPrep does not react with the substrate.
3. If the substrate is HYPALON – the substrate MUST be abraded using 180 wet/dry sandpaper first.
4. Thoroughly clean the substrate with UltraPrep using the Red Scotchbrite pad provided to remove all salt crystals and any other surface contaminants. Taking care to remove the residue with wipes before it dries.
5. Put on a clean pair of gloves provided to avoid cross contamination.
6. Re-clean the surface using the “wipe on wipe off” method. Covering small areas at a time, use one of the wipes, wet with UltraPrep to clean and then wipe that same small area dry with one wipe without solution to ensure all contaminants are removed and not left to dry on the surface.
7. Repeat step 6 until the entire surface area to be painted has been cleaned.

Masking:

1. Using the masking tape included test apply to the surface.
Checking for; (a) for adhesion of the tape to the substrate, (b) to ensure it is not lifting on the edges and (c) it is providing a clean edge to the area to be coated.
2. Mask off area not being coated. Ensure the edge on the coated side of the masking tape is well pressed and adhered, to avoid paint bleeding under the tape.
3. Areas that have existing branding either painted or stuck on will need to be masked off and not coated.

Tacking / Dust Removal:

1. Put on 1 pair of clean gloves provided
2. Use wipes to wipe the surface clean
3. Ensure that fibres, fluff or lint are not present on stitching, substrate edges and seams before painting.

Mixing:

1. Put on 1 pair of gloves provided, safety glasses and respirator mask
Stir/shake tins well, each for 3 -5 minutes
Part B may get a skin on the top, once this is broken the product will mix well when shaken
2. Using measuring cup provided and mixing stick provided mix;
2 parts MarineShield UltraFlex Part A to 1 part MarineShield UltraFlex Part B then add at the ratio of 40% - 50%, the MarineShield UltraFlex Reducer.

Example mix table (approx. 175ml mixed paint required per M ²)			
Desired quantity	Part A	Part B	Reducer @ 40%
175ml (1M ²)	83ml	41.6ml	50ml
525ml (3M ²)	250ml	125ml	150ml
1050ml (6M ²)	500ml	250ml	300ml

If the weather is warm (above 25Degs C) then increase the Reducer ratio to 45 or 50%, to ensure that when the mixed product is rolled, or brushed, that it does not grip and tear on itself.

3. Strain mixed product through paint filter provided into roller tray.
4. Mixed product has a relatively short pot life, so it is best to only mix what you require.

Application:

ALWAYS PERFORM A TEST SAMPLE TO CHECK FOR ADHESION/COLOUR BEFORE FULL APPLICATION.
RESENE AUTOMOTIVE & LIGHT INDUSTRIAL WILL NOT BE HELD RESPONSIBLE FOR DELAMINATION OR APPLICATION OF INCORRECT COLOURS.

1. Using the foam roller, Apply 1 light to medium coat of mixed UltraFlex to the desired area. Change roller sleeve as required or when it becomes tacky/sticky to keep consistency of coverage.
2. Work the product with roller to ensure an even coating is applied, but always finish off in same direction.
3. If tipping off is required along edges, lightly tip off with paint brush. Dip brush tips into mixed product to ensure that minimal product is removed in the tipping off process.
4. Wait 20-30 minutes until the tack off stage has begun to ensure good adhesion (when product is touch dry but still a bit sticky)
5. Apply second coat, if required for coverage a 3rd coat may be applied. **Maximum time between recoating is 1 hour.**
6. Remove masking tape when coating is tacky but not fully cured.

Application notes:

1. If air bubbles appear during application (this can be due to over rolling the product) use paint brush provided dipped in UltraFlex Reducer to dampen the bristles (must not be wet), and lightly feather over the affected area to disperse the air bubbles while the painted area is still wet.
2. If drips occur they must be wiped off immediately, use some UltraPrep on a rag to do this. The drips will not be removable once dry!
3. Deflating the boat slightly will help to reduce the appearance of bubbles.

Process for Registration Numbers & Names:

1. Mask the registration numbers out and apply the black.
2. Clean any seepage/overspray.
3. If applying the clear within two hours, just go straight over the black with no prep required.
4. If beyond that window, a light abrade is required.
5. Carefully clean with the prep over with the registration numbers. Ecowash prep, or citrus cleaner.
6. Apply the clear over everything.

Drying Time:

1. 24 hours minimum cure time.
2. Do not fold or cover the coated surface until after 48 hours cure time.

Contents of DIY Kit (RIB's up to 3 Metre length, 6m² coverage):

500ml MarineShield UltraFlex Part A
250ml MarineShield UltraFlex Part B
500ml MarineShield UltraFlex Reducer
1L MarineShield UltraPrep

Quantity	Description
4	Pairs of gloves (solvent resistant)
1	Safety Glasses
1	Respirator Mask (with valve & active carbon filter)
2	P180 Grit Wet/Dry Sandpaper (for Hypalon)
2	Red Scotchbrite Pads
12	Wipes
2	Rolls of Masking Tape
4	Measuring/Mixing Cup
4	Stirring sticks
4	Paint Filters
1	Paint Roller Tray & roller handle
4	Foam Rollers
1	Paint Brush

Storage:

Store inside between 5°c - 28°c or at a cool constant temperature, in a locked, well ventilated area. Keep lids on containers when not in use. See Safety Data Sheets for full storage instructions.