

Juju Blitz Application Methodology.

Made by Sydney based Robertson Paints the Blitz range and especially “Total Black “is a premium low sheen paint for scenic, stage and architectural surfaces. Manufactured with a high adhesion, self - priming resin it can generally be applied without the need for a separate undercoat. Notable exceptions are Weathertex and Masonite as well as ferrous metal such as steel, especially when galvanised, requiring a suitable metal primer.

Currently in use in the Walsh Bay Arts precinct, Sydney Opera House , Naisda Dance College. Bell Shakespeare, Carriage works and WAPA in Perth to name but a few venues, it has been tested as compliant for pedestrian surfaces complying with AS4586:2013 and AS4603:2015. Ideal for stage floors Blitz is equally applicable for black box theatre, Film and Television production, home theatres, as well as stage and set construction.

When used on stages and dancefloors “abrading” or sanding these surfaces is essential to provide enough “tooth” for good adhesion and reducing the potential for aggressive tapes and robust activities to cause paint separation and reveal the sub floor beneath. Equally important is thoroughly mixing paint products with a mechanical mixer and paint paddle before applying.

We use and recommend the following procedures for *Juju Blitz Total Black* in the following application: new surfaces, surfaces with existing paint, new Weathertex brown board, and subsequent coats / recoats, Concrete Surfaces.

New Surfaces

- On new surfaces, and generally, all surfaces must be thoroughly cleaned and dry.
- On floors abraded to 120 grit screen back or sand paper.
- On plasterboard, walls and ceilings, use a pole sander or wall sander ideally with dust extraction and screen backs around 220 Grit.
- Prior to applying coatings and where appropriate remove residual dust by sweeping with a soft boom followed by vacuuming or by using a tack mop with green pads. Microfibre cloths may also give acceptable results, and may be wrapped onto a flat mop or broom.

Painting:

- Stir the paint well before commencement. Not stirring can result in inconsistent colour and gloss levels, pigment shedding and ultimately issues with cleaning.
- Use a mechanical stirrer with paddle and thoroughly mix settled material with that on the top of the drum.
- Thinning is generally not required but may be thinned with up to 10% Water
- Apply the initial coating of *Juju Blitz Total Black* using good quality 10-12 nap roller sleeves from 270mm-450mm.
- Good quality brushes, spray equipment including airless guns, and T bar applicators may also be used.
- On floors after 24 hours or appropriate dry time, lightly sand raised pile with Bona 360 grit red scad pad or worn screen backs 180 grit and above on a “Polivac” or equivalent.
- Two coats are generally adequate, but a third coat is recommended on porous surfaces such as plywood.

Drying time:

- In average weather conditions (25⁰C) touch dry in 30 minutes and recoat in 2 hours.
- Allow longer drying time in cold or humid weather.
- Ensure the first coat is fully dry and lightly abrade surface with scad pad or similar before applying final second and or subsequent coats should they be required.
- We recommend where possible a 24-hour gap between coats.
- Do not apply when the surface temperature may go below 10⁰C or above 40⁰C during the drying time.
- Allow at least the 24 hours drying time before walking on finished floor.

Clean up:

- Clean equipment with water immediately after use
- Excess paint maybe brushed out on newspaper and left to dry and disposed of through your normal waste service.
- Recycle dry empty containers with local recycling programs. For more information contact your local council.
- Do not dispose of paint or paint wash down sinks, drains or sewers.

Juju Blitz Coverage:

- Up to 12 square metres per litre on a smooth sealed surface.

Do not apply if not conforming with:

- The Australian Standards range for humidity to 60% +/- 15%.
- That is, the range for painting should be between 45% and 75% relative humidity.
- Temperature range above 10⁰C below 40⁰C
- SDS May be viewed at STM Toolbox: <https://stmstudiosupplies.com/toolbox/>

Safety:

- During all processes ensure adequate ventilation during use and drying time.
- Keep paints out of reach of children.
- If *Juju Blitz* is swallowed do not induce vomiting, drink plenty of water and seek medical advice.
- If contact with eyes occurs, rinse thoroughly with running water and seek medical help if irritation persists.
- For further information check the products Safety Data Sheet (SDS).
<https://stmstudiosupplies.com/toolbox/>

Surfaces with Existing Paint

Before painting:

- It is desirable to substantially scuff the surface but not necessary to remove all paint.
- Even with the best equipment there will be residual dust. Curtains, soft seating, etc, should be removed, bagged, covered, or otherwise protected. Air conditioning and smoke detectors should be isolated.
- Ensure the client is expecting to do final cleaning before and after these protective measures are removed.
- Chemical stripping is not recommended. Chemical stripping is unnecessary, environmentally unsound and the surface will still need sanding afterwards.

Preparation:

- To prepare a floor, use an 80 and up to 120 grit screen-back or sandpaper with a “Polivac” or equivalent large orbital sander to provide “tooth” for the paint material.
- On walls and ceilings use a pole sander or wall sander ideally with dust extraction and screen backs around 220Grit.
- Prior to applying coatings, and where appropriate, remove residual dust by sweepings with a soft boom followed by vacuuming or by using a tack mop with green pads, or microfibre cloths.

Primer: - Only required on Weathertex ,Masonite, Metal and some Concrete surfaces.

- Apply a black etch primer if the recommended *Juju Blitz Total Black* is the finish colour.
- Apply a grey or white etch primer if an alternative colour is being applied. Solvent based etch primers have a strong odour so ensure the air conditioning remains off and potentially affected people pre-warned.
- Thoroughly mix paint.
- Use a 10-12mm nap solvent resistant roller sleeve such as Uni Pro Trade industrial or Oldfields Pro Series.
- Ensure adequate ventilation is available, air-conditioning is isolated and where possible ducted fume extraction and air purifiers employed
- Do not proceed if temperature is 3⁰C above dew point
- Temperature range should above 10⁰C and below 35⁰C
- Humidity between 40% and 80% relative humidity
- SDS may be viewed at STM Toolbox: <https://stmstudiosupplies.com/toolbox/>
- After 24 hours or appropriate dry time, lightly sand raised pile with Bona 360 grit red scad or scotch pad. Orbital wall sanders can perform better than larger and heavier machines with 220+ screen backs which are otherwise prone to clogging. Pole sanders may also be used.

Painting and Cleanup

As described for new surfaces

New Weathertex Brown Board and Masonite

Primer:

- Prior to applying coatings, sweep with a soft boom followed by vacuuming to ensure no installation dust or grit remains.
- Sand to 120 grit screen-back or paper.
- New boards can be primed using the low VOC water-based *Juju Primer*.
- One solid coating with a 10 -12 nap roller or T bar applicator will suffice.
- Whilst the *Juju Primer* does not soak in and colour the Weathertex like the solvent based etch primers will, it omits the need to ventilate, and it does adhere well.
- Especially suits conditions that are sensitive to the use of solvents and associated smell.
- If retractable seating or similar heavy traffic are to be used on the surface solvent based etch priming becomes essential and remains the gold standard in all applications.

Painting and Clean-up

Refer to new surfaces above

Weathertex floors and Subsequent Coats / Recoats

On surfaces previously treated with an etch primer a reapplication of the *Juju Blitz Total Black* should be adequate although a coin scratch test on a sample area is recommended.

Preparation & Painting:

- Ensure the surface is clean, and clear of tape residue and similar contaminants.
- Lightly abrade surface, this can be with a scotch pad such as a black stripping pad on a “Polivac” or equivalent orbital sander or pole sanded with 120 grit or above. It is not the intention here to remove existing coatings but to simply create enough tooth for the *Juju Blitz Total Black* to adhere.
- Address any badly worn areas with a patch coat of *Juju Blitz Total Black*.
- Coat the entire area.
- The high coverage of *Juju Blitz Total Black* will probably mean one coat is enough. When dry, assess as to how even the finish is and apply further coats as required with appropriate drying time between.
- In normal circumstances the floor will be safe to use after 24 hours.

We recommend the use of [heritage or exhibition quality low tack tapes](#) for mark up and the securing of cables. These and the paints above are all available from STM Studio Supplies.

Concrete Surfaces

Preperation

- Broom Clean remove all obstructions and sweep away accumulated dust and debris.
- Use a degreaser on oil or grease stains . Ordinary Laundry detergents are an alternative to commercial degreasing products.
- Scrub Clean: High pressure water generally and equipment such as a Gerni, with scrubbing attachments are good options.
- Hose down and leave areas to be acid etched wet.
- Acid etch surface e.g., 1:10 Hydrochloric acid mix or stronger. This is less labour intensive than grinding and will open the concrete to receiving coating.
- Always add acid to water in a plastic container. **Never add water into acid.**
- Test half a cup in small area . If it's strong enough, it should immediately begin to bubble and react.
- Apply with sprayer or watering can.
- Ensure you have adequate protective clothing when doing the above such as appropriate gloves, glasses or goggles, long sleeves, closed footwear and possibly a vapour mask.
- Ensure surface is wet throughout application.
- If there are spots where the acid isn't reacting, you may need to subsequently mechanically grind off residual oil and grease.
- Neutralize the surface. Check your acid's label — many will require using a special neutralizing solution to stop the reaction of the acid, while some others may "time out" on their own. For acids that require a neutralizing solution, mix the neutralizer, and distribute it throughout the floor according to the instructions on the packaging. Usually, you'll need to spray the neutralizer and scrub with a squeegee or use a floor machine to ensure the entire surface has been neutralized.
- For a general, all-purpose acid neutralizer, try mixing 1 cup of baking soda in 1 gallon (3.8 L) of water, then mixing until it dissolves.
- Rinse the area thoroughly and squeegee or broom sweep excess water away.
- For ceilings and walls acid etching is less practical and they should be cleaned as best as possible with a stiff broom or scrubbing brush.

Priming

- New driveways or slabs should be prepared as above then primed with a concrete sealer. These are commonly Xylene based and can have a strong odour.
- Otherwise, and on ceilings and walls, apply a coat of Blitz that is 50% diluted with water to enable penetration.

Painting and Clean-up

Proceed as above for new surfaces with brush's, rollers, or spray equipment.

Please feel welcome to call with any job specific problems or perceived improvements to this advice.

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