

# NEWLOOK SMARTCOLOUR COLOUR STAIN AI/93

## AREA PREPARATION

Mask or cover all areas that are not intended to be stained. Including but not limited to door frames, doors, walls, etc.

## SURFACE PREPARATION

Preparation is the most important part of the installation process. Proper floor preparations results in SmartColour longevity and minimizes potential failures. ADSEAL recommends using proper preparation methods to achieve a surface profile of CSP1 or 2 as described by ICRI guidelines ([www.icri.org](http://www.icri.org)). The surface must be free of all foreign materials that would inhibit the absorption, penetration and bonding of SmartColour. All debris, loose concrete, paints, oils, release, etc must be removed. If an acid etch is used to clean or profile the surface then any dry residue must also be removed and thoroughly cleaned.

## APPLICATION PREREQUISITES

- ADSEAL strongly recommends representative jobsite samples (mock-ups). Different sections should be tested for suitability, adequate coverage, and final appearance.
- Protect any walls and adjacent areas where staining is not desired
- Recommended temperature of concrete surface should be between 10°C rising and 32°C and cooling.
- The concrete surface may be **slightly** damp when applying, but all standing water must be removed prior to installation.
- Do not apply when heavy condensation, hydrostatic pressure, or high moisture vapour transmission can occur, which can compromise the bond of NewLook SmartColour.

## HORIZONTAL APPLICATION

### Exterior Brush/Broom Finish

Broom finishes may result in high profiles or peaks in the substrate, which erode faster than the remaining substrate. Remove these unstable sections by simply running an ice scrapper or other metal object over the substrate and remove all debris. This step can enhance the longevity and durability of coatings such as SmartColour.

### Exterior & Interior

Remove paint, adhesives and loose particulates from the surface. Where possible a minimum of an aggressive power wash is required. On new concrete [up to 3 years old] or where the washed surface is NOT porous [see water test in next paragraph], apply NewLook EcoAcid according to instructions to exfoliate and wash the concrete surface.

For **Interior** work where power washing is not suitable, use a scrub-brush with appropriate cleaners or an auto-scrubber equipped with brush and attachments while rinsing with clean water. Extract material and residue using a wet/dry vacuum or lower squeegee uptake bar on the auto-scrubber. Continue to flush and agitate the substance until the rinse water is clear and the surface is free of residue. Ensure the surface is clean and porous by performing a **Water Test** - if clean water absorbs readily into the surface, then the surface is sufficiently porous to receive the stain.

For **Exterior** jobs, power washing is recommended to achieve a clean and porous surface. Remove EcoAcid or other preparation materials (residue) using a power washer with overlapping line patterns. It is recommended to use a minimum 3,000 psi pressure washer with 16 LPM capacity using a 15° or 25° fan tip or a 0° oscillating fan tip. Allow the area to dry adequately.

If additional profile is needed, re-apply EcoAcid.

## NEWLOOK SMARTCOLOUR

### Dilution/Mixing Instructions

1. SmartColour is packaged as a concentrate. The recommended dilution ratio is 1 part concentrate to 3 or 4 parts clean water depending on desired opacity.
2. For application of highlight colours, overlay systems or previously coated substrates dilution can be increased to 1 part concentrate to 5-6 parts clean water.
3. By simply stirring mixture of Concentrate & water the stain will be ready to use.
4. Increased transparency as well as lighter colour shades can be achieved by increasing the dilution ratio. Do not exceed 1 part concentrate to 6 parts water. Note: as the dilution ratio increases, the amount of solids contents decreases, resulting in a less durable stain so always consider sealing to protect the coloured stain finish.
5. Multiple coats help to achieve a higher hide and more opaque finish.

**IMPORTANT:** To assure clean water source consider diluting with distilled, deionised or reverse osmosis water. Avoid hard water.

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## **NEWLOOK SMARTCOLOUR COLOUR STAIN AI/93 continued**

### **High Hide**

Decreasing the dilution ratio of SmartColour will increase hide or opacity. This allows the applicator to cover stains and discolorations, as well as achieve uniformity on different integrally coloured surfaces.

### **Application Instructions**

If hide is required consider installing NewLook solid colour stain first as a base colour before installing SmartColour. Whilst, often, not necessary, the solid colour stain can help to hide the surface discolorations that might manifest or transpire through the more translucent finish SmartColour when highly diluted.

To achieve a natural, mottled or variegated appearance, SmartColour should be applied by creating a mist with an airless sprayer, HVLP sprayer production gun, pump sprayer or trigger spray bottle. The variegation is the result of the specific gravities of the pigments, as well as the absorption resulting in mechanical lines.

If you prefer to apply the SmartColour with a brush, begin in a figure-eight motion. Do not apply pressure; allow the applicator brush to naturally spread the stain as far as it will go, leaving no puddles. Apply evenly. Let each application dry thoroughly before doing additional applications.

Note: All SmartColour colours are compatible, they can be mixed sprayed simultaneously and layered to achieve a desired appearance. Always complete a representative jobsite sample or jobsite mockup. Flooding SmartColour on the surface may result in separation of certain pigment colours.

## **PREVIOUSLY SEALED SURFACES**

### **Application Instructions**

After cleaning the previously sealed surface, apply SmartColour to an inconspicuous section of the surface. Allow the stain to dry. Test for adhesion by running your hand over the stained surface. If you are unable to rub the stain off, it has achieved adhesion. Apply SmartColour to the remaining area. Allow at least 2-4 hours after SmartColour has initially cured and dried before applying the chosen ADSEAL sealer.

If adhesion is questionable remove the existing coating unit Easy Strip 2000. Clean the surface thoroughly before applying SmartColour. Always reseal after applying SmartColour

### **DRY TIMES, CURING & POST APPLICATION**

Complete drying times will vary depending on concrete temperatures, air temperatures, humidity, concrete porosity, and other local conditions

**Temperature: 15°C    Relative Humidity: 30%    Dry To Touch: 5-10 min    Final Cure/Sealer: 24 Hours**

- Surface should not get wet for at least 2-4 hours following application.
- Wait a minimum of 24 hours after SmartColour has initially cured and dried before applying sealers. Always test sealers for compatibility before using.
- Follow wait-time recommendations in Tech Data Sheet 93 for foot or vehicular traffic.

### **LIMITATIONS**

- Inconsistencies in site conditions, mixing and application methods, finishing techniques, curing methods or other local conditions may produce variations in the final appearance and the adhesion of the finished product.
- Not recommended for non porous substrates (e.g. metal, resin, fibreglass) when submerged in water or exposed to extreme weather conditions
- Adhesion problems will occur if NewLook SmartColour is used on any surface that will prevent the product from penetrating and bonding to the concrete substrate, including but not limited to soiled, sealed, dusting, spalling, or painted surfaces.
- NewLook concrete Colour Stains must NOT be applied when the temperatures are falling below 10°C or rising above 32°C
- Do not use tape on freshly stained or sealed concrete as it may pull up colour when removed
- Flooding SmartColour on the surface may result in separation of certain pigment colours. For best results, create a mist over the surface using an airless or HVLP sprayer.

### **CAUTION**

**KEEP AWAY FROM CHILDREN AND ANIMALS.** Before using or handling, read this MSDS and product instructions. **DO NOT CONSUME.** Avoid contact with eyes and skin. Wear rubber gloves, aprons and safety eye goggles. Use good hygiene when handling this product. It is recommended that you wash and bathe after each use.