

This bulletin outlines the use of four Nuplex products to apply stone, rock or pebble finishes. This finish types give an attractive, natural finish that complements many building and decorative designs. The same logics also apply to repairing and/or rejuvenating older stone finishes. In all cases also refer to the full datasheet on individual products.

1. Nuplex k36 Epoxy system: a thin, 2:1 mix epoxy
2. Nuplex k214 epoxy: a thick, gelled, epoxy, thixotropic (won't run), 2:1 mix
3. Lockfast FLC: a two part cement mix and liquid binder
4. Revathane: a single pot polyurethane for final overcoating. Will absorb UV rays and will provide a glossy, non-yellowing finish.

The choice of pebble, rock, stone, shell, chip is the designers. This sheet generally describes the systems used to bond and overcoat the aggregates.

Preparation: Ensure the concrete base is smooth, clean and dry. Abrading the surface with a grinder and concrete blade is usually necessary.

Horizontal Surfaces: Apply mixed K36 at 1m²/lt to the surface with a trowel ensure it is evenly applied without thicker areas. Sprinkle, drop or embed the stones and allow to cure overnight. With small pebbles apply to excess and sweep off the surface overnight. After sweeping overnight decide whether to apply a further coat of k36. This is a personal choice as to the depth of resin embedding. In some cases the stones may be required to be completely submerged under clear resin.

With fine pebbles one can mix the stones with mixed K36 until a thick paste is obtained and trowel this mix directly to the surface.

Vertical surfaces: Apply as above but use K214. This resin will not run or sag. The resin may be applied to the surface first or mixed with pebbles as above. This technique is useful for step risers etc. Ensure you practice the techniques described before doing your real job.

Big rocks, pebbles or stones: Use Lockfast FLC as the base mix. Also use the material as a grey grout. This is a more economical adhesive and grout than the two epoxies. This can give natural finishes with riverstones, etc.



Overcoating: Use two coats of Revathane applied at 6m²/Lt/coat on subsequent days if a glossy, clear, non-yellowing finish is required. All base materials must be dry and epoxy basecoats must be cured for a minimum of 48 hrs before Revathane is applied. Please read the datasheet. Revathane can be used to "sharpen up" old finishes if still well bonded. It will also bond small quantities of fine pebbles.