

# NP KEYCOAT



Federation  
Stone  
Great Britain

NP Keycoat is a high performance, water based, modified polymer primer. Supplied ready to use it is formulated for use on smooth and non-porous, demanding substrates prior to tiling or levelling. It is ideal for priming one coat DPMs, tiled floors and metal substrates. NP Keycoat can also be diluted for use on porous substrates as a general purpose primer to reduce the absorption of the substrate before applying tile adhesives and levelling compounds.

**READY TO USE  
FOR TILING AND LEVELLING  
HIGH PERFORMANCE MODIFIED POLYMER  
NON-POROUS SUBSTRATES  
UNIVERSAL PRIMER**



## TECHNICAL INFORMATION

## PRODUCT INFORMATION

<b>FORM</b>	Water based dispersion of a modified acrylic polymer
<b>COLOUR</b>	Dries Clear
<b>HAZARD INFORMATION:</b>	Generally not hazardous - Consult Safety Datasheet before use
<b>CLEANING:</b>	Clean tools, equipment, etc. using warm water. Mechanical means are necessary when the product has set.
<b>PACKAGING:</b>	5L Containers
<b>STORAGE INSTRUCTIONS:</b>	Store in sealed containers in dry conditions, protected from extremes of temperature, protect form frost.
<b>SHELF LIFE:</b>	12 months in unopened manufacturer's packaging

## APPLICATION INFORMATION

<b>APPLICATION TEMPERATURE:</b>	+5°C to +30°C
<b>DRYING TIME:</b>	Non-porous substrates - 1 -2 hours Absorbent substrates - 20-30min
<b>COVERAGE:</b>	Neat - 5 - 10m <sup>2</sup> per L Dilute - up to 50m <sup>2</sup> per L Dependent on porosity and texture of surface

## DIRECTIONS FOR USE

### PREPARATION

Substrates must be sound, dry, clean and free from loose material or contamination which may interfere with bond.

Concrete and sand/cement screeds must be 28 days old and any laitance or surface treatments must have been removed.

Gypsum screeds must be below 0.5% moisture content and free from surface laitance (consult Technical Department for further advice).

Timber substrates must be sound, stable, at the final in-use equilibrium moisture content, suitably fixed to be free from excess deflection and be suitable for the end use.

The ambient and substrate temperature must be above 5°C when the primer is applied and underfloor heating must have been turned off at least 48 hours before.

### APPLICATION

**On smooth or non-absorbent substrates** - Apply one coat of primer by roller ensuring an even coat without ponding or puddles. Do not apply in thick layers. Allow to fully dry to a clear, tacky film before applying adhesive or levelling compound. This is typically within 1-2 hours at 20°C. Avoid excessive trafficking of the substrate once the primer has dried and protect surface from dirt or traffic until subsequent materials have been applied. If primer has not been overlaid within 48 hours, a second coat may be required.

**On absorbent substrates** - Dilute 4 parts water to 1 part NP Keycoat for use on porous substrates. Apply one coat of diluted primer by roller ensuring an even coat without ponding or puddles. Do not apply in thick layers. Allow to fully dry to a transparent film before applying subsequent coats of primer or subsequent products. On gypsum substrates, at least 2 dilute coats should be applied before applying cementitious materials.

### RESTRICTIONS

All work must be carried out to current industry best practice. Good paint techniques should be applied. Do not apply to wet surfaces. In conditions of high humidity or low temperatures, drying times will be extended. Do not apply subsequent products until the primer has dried to a clear, tacky film. Thick layers and ponding must be avoided. Priming should never be used in an attempt to improve a poor or failing substrate.