

# SILCOR<sup>®</sup> Primer BW N105-DT

General purpose, solvent-free epoxy primer

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## Product Description

A two-component, solvent-free epoxy primer, recommended for use with concrete, masonry and steel.

## Features

- Fast-cure
- 100% solid content
- Excellent penetration and adhesion to substrate
- Simple and easy application, high build self leveling
- Good bonding with concrete, sound masonry and steel. Also bonds to damp concrete. Recommended moisture content is <5% based on ASTM F2659.

## Application

The surfaces of new concrete should be lightly blast abraded or mechanically abraded to remove laitance. Dust and debris created from blasting or sanding should be removed by sweeping or vacuum cleaner. Surface must be clean, sound, smooth and free from dust, laitance, loose matter, oil or other contaminants.

Pour the hardener into the resin and mix thoroughly for 5 minutes until the colour is uniform using a low speed drill at 200 to 300 rpm. Do not mix more than is required because the material will gel and harden. Heat is generated when the resin and hardener reacts and temperatures will increase over time. Apply soon after mixing. Never mix more than one batch at a time in a single container as this may cause a premature exothermic reaction with production of intense heat and smoke.

Apply SILCOR<sup>®</sup> Primer BW N105-DT by brush, roller or rubber squeegee. Application temperatures must be between 10°C and 40°C with <85% relative humidity, and at least 3°C above the dew-point temperature.

## Coverage

Generally 0.2-0.5kg/m<sup>2</sup> dependent on substrate condition, application technique and weather.  
More is required for porous concrete.

## Packaging

30kg set with 20kg Base + 10kg Hardener  
15kg set with 10kg Base + 5kg Hardener

## Typical Properties

PROPERTY	TYPICAL VALUE
Colour	Tea, glossy
Special Gravity (25 °C)	1.4 +/-5% (Mixed)
Mixing Ratio (Base: Hardener)	2:1 (Weight Ratio)
Pot Life	30 minutes @ 25 °C

	Required time @10 °C	Required time @20 °C	Required time @ 30 °C
Tack-free Time	6 hrs	4 hrs	2 hrs
Initial Cure	24 hrs	18 hrs	12 hrs
Overcoat Time	36hrs - 48 hrs	24 hrs	16 hrs

## Shelf Life and Storage

All products should be stored internally, in original packaging at temperatures between 5 °C and 25 °C, relative humidity below 60%. Protect products from all sources of heat, moisture, frost and direct sunlight. Shelf life 12 months maximum.

## Health and Safety

Read and understand the product label and Safety Data Sheet (SDS) for each system component. All users should acquaint themselves with this information prior to working with the products and follow the precautionary statements. SDSs can be obtained by contacting your local GCP representative or office and in some cases from our web site at [gcpat.com](http://gcpat.com).

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