CERMIPRIME NT 2C

EPOXY BASED, TWO COMPONENT, LOW VISCOSITY, MOISTURE TOLERANT PRIMER AND IMPREGNATION MATERIAL

BEIGE

- *Solvent free*
- *It can be applied to moist surfaces (up to %8)*
- *Does not contain toxic substances after curing*
- *It has excellent adherence properties*

PRODUCT INFORMATION

WHERE TO USE

•Provides high chemical and mechanical strength for concrete and mineral based surfaces as a primer and creates a homogeneous base for the topcoat material to be applied.
•As binder, it prepares the floor for surface correction, repair and epoxy mortar.
•Used as primer coat before applying epoxy, polyurethane, polyurea and bitumen / polyurethane based topcoats on the surfaces exposed to medium to heavy loads.
•Used as epoxy mortar for large cracks and chamfering or repairing by mixing with silica sand, quartz or different fillings.
•Used as water and moisture barrier on concrete surfaces.
•Applied as adherence bridge for new concrete applications on old concretes.

GENERAL FEATURES

Material : Epoxy based, low viscosity
Structure Beige
Color : A component: 1,25 ± 0,05 gr/cm³
Density : (ASTM D1475)
B component : 1,00 ± 0,05 gr/cm³

CONSUMPTION

•200-350 gr/m² If the product is to be used as a primer,
•450-600 gr/m2 If the product is to be used as water / moisture barrier or adherence bridge,
*: Consumption may vary depending on surface roughness, ambient and surface temperature and application method.

PACKAGING

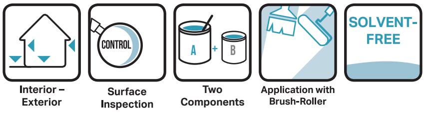
•A + B = 10 + 4 kg

STORAGE AND SHELF LIFE

• Protect from water, frost and adverse weather conditions.
• Store in a dry and cool environment (between +10°C and +25°C).
•Production date and expiration date are on the packaging.
•Shelf life is 12 months if the specified storage conditions are followed.

TECHNICAL CHARACTERISTICS(*)

PROPERTIES (23 ºC, 55 % RH)	UNIT	METHOD	SPECIFICATIONS
Mixing ratio A Component: EP 2K Primer HB B Component: Hardener			2,5:1
Viscosity (BROOKFIELD) A Component: EP 2K Primer HB B Component: Hardener	cP	ASTM D2196-86	1000-3500 500-1500
Application time	dk	-	30-35
Touch Time	Minutes	-	4-6
Solid content	%	ASTM D2369	~100
Shore A hardness	Shore A	ASTM D2240 / DIN 53505 / ISO R868	80-90
Shelf life	month	-	12



CERMIX

APPLICATION

APPLICATION PROCEDURE

•**CERMIPRIME NT 2C** is applied by roller, trowel, brush and airless spray..
•The mixture made ready for application is applied in such a way that the surface is saturated and the pores are closed.
•Minimum 4 hours (23°C), maximum 24 hours as new coat application time.
•The primer surface must be sanded before new coat applications exceeding 24 hours.
•It is very important that the second coat is applied within the new coat application period mentioned above.
•It reaches a complete mechanical and chemical resistance in 7 days.

SUBSTRATE PREPARATION

•Application surfaces should be dry and clean. Concrete and plaster residues are mechanically; Oil, grease, fuel and paraffin wastes should be cleaned using chemical solvents.
•Damaged and unsound surfaces and cracks should be repaired with suitable products. The surface must have a compressive strength of at least 25 N / mm² and a pull-off test result of at least 1.5 N / mm².
•New concrete must be at least 28 days old and concrete surfaces must have a moisture content of maximum 8%. Cement residues and glossy cement slurry on the concrete surface should be cleaned with tools such as sandblasting, milling, wiping machine, driven grinding and the surface should be roughened.
•The relative humidity of the air should be at most 85%, the application temperature (environment and surface) should be between + 5 ° C and + 35 ° C.

APPLICATION

•Considering the mixing life of the two components, the amount to be consumed should be prepared at the specified mixing ratio. In order to obtain a homogeneous mixture, the product temperature should not be less than 15°C. Component A should be mixed rapidly with a mechanical mixer and hardener (component B) should be added by paying attention to the mixing ratio.
•Components A and B should be mixed with a mechanical mixer for at least 3 minutes until homogenous.
•The packages should kept at room temperature for 24 hours are opened and mixed until homogenous consistency. Mixing should be done with low speed mixer and appropriate mixer tip.

RECOMMENDATIONS

•After the product is mixed, it should be used within its container life.
•Products that have expired their container life should never be used during application.
•Do not add any foreign material such as lime, cement or gypsum into the prepared mortar.
•Do not apply on unstable surfaces.
•During and after the application, the surface should be protected from air currents and contact with water should be prevented.
•Water vapor pressure should not be observed from the negative side on the application surfaces. In such a case, special insulation should be applied before application.
•Surface temperature should be +5°C.
•Within 24 hours, it should not be applied on surfaces that are in danger of frost, frozen or melting ice.
•In cold weather, packages must be kept at +15°C for at least 24 hours before application.
•Do not apply on plastered and concrete surfaces that have not been set before the curing period is completed.
•Do not apply on hot surfaces exposed to excessive wind or direct sunlight. If it is necessary to apply in these environments, the environment and surface should be prepared for application before starting.
•After the application, the surface should be protected against water, rain, dew, snow, hail and the like until it is completely dry.
•It should be taken into consideration that full mechanical and chemical resistance will be achieved in 7 days.

SAFETY INSRUCTIONS

•Do not inhale, avoid contact with skin and eyes.
•It is recommended to use appropriate work equipment (gloves, goggles, mask, knee pads, etc.) during product application.
•For more detailed information read the Product Safety Data Sheet (MSDS).

Note: Technical values and application instructions are valid under ambient temperature of 23ºC with relative humidity 50% and they are the results of our tests and experience in accordance with international standards. Our company is not responsible for any errors that may occur if the instructions and recommendations specified in the technical data sheets are not followed.