

Technical Datasheet:

QUALIPUR 152

Two-component PUR-Primer



QUALIPUR 152

is a two component, solvent-free, low viscosity polyurethane primer. It cures using chemical cross-linking to produce a thin mil primer with excellent abrasion characteristics for long-term wear protection. Qualipur 152 has good resistance to acids, alkalines, jet fuel and a number of other chemical compounds. Superior adhesion properties of Qualipur 152 make it an ideal primer on many substrates.

Density	@ 20 °C	1,16 g/cm ³
Viscosity	@ 21 °C	800 mPas
Pot life		40 – 60 minutes
Mixing ratio	Part A : Part B (by weight)	1,9 : 1
Cure time	@ 20 °C; 50 % humidity	tack-free after approx. 2 – 4 hours accessible after approx. 24 hours completely cured after 7 days
Solids content		100 %
Processing temperature		min. 5 °C, max. 35 °C
Max. Humidity		80 %
Cleaner		Butyl acetate
Elongation	ASTM D412	25 %
Tensile strength	ASTM D412	31 N/mm ²
Hardness	ASTM D2240	77 Shore D

Main fields of application

Being a solvent-free product, Qualipur 152 can be used to prime both interior and exterior substrates without noxious odour.

Consumption: 0,15 – 0,2 kg / m²

Packaging: Part A: 8,02 kg
Part B: 4,24 kg

The information provided in this document is true and accurate to our current technical knowledge. It may only be viewed as recommendations to our customers and does not imply any binding assurance. Legal binding effects are excluded.

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Chemical Resistance (+ good, o temporary, - none) All samples submerged in solution for 6 months and then tested for shore hardness and weight.

Sulfuric Acid	60 %	-
	50 %	o
	25 %	+
Phosphoric Acid	70 %	+
Formic Acid	85 %	-
	50 %	o
	10 %	+
Acetic Acid	96 %	-
	50 %	o
	10 %	+
Hydrochloric Acid	31 %	o
	10 %	+
Nitric Acid	10 %	+

Boric Acid	4 %	+
Chromic Acid	10 %	+
Lactic Acid	25 %	+
Citric Acid	10 %	+
Tannic Acid		+
Ammonium Hydroxide	5 %	+
Potassium Hydroxide	10 %	+
Sodium Hydroxide	50 %	+
Peroxide	10 %	+
Bleach		+
Formaldehyde	37 %	+
Methylene Chloride		-
Acetone		-

Xylene		-
Methanol		+
Alcohol		+
Gasoline		+
Diesel Fuel		+
Glycerin		+
Sodium Carbonate	20 %	+
Sodium Chlorate	10 %	+
Sugar Water	30 %	+
Distilled Water		+

Installation guidelines

Surface preparation:

Surfaces receiving an application of Qualipur 152 must be clean, sound, dry, free of oils and all bond inhibiting compounds and contaminants. When applying Qualipur 152 to a concrete substrate, use of mechanical methods such as shot blasting, sandblasting or hydro blasting are recommended to produce a clean and lightly textured surface. When hydro blasting, allow 24 hours for substrate to dry.

Mixing: Empty entire contents of component B into component A. Mixing is accomplished by using a jiffy paddle and low speed drill (300 rpm) so as not to incorporate excessive air into the product. Mix for 2 minutes, scrape down the sides of the pail and mix additionally for 1 minute.

Application:

On Concrete: To apply as a primer, use a high quality roller, brush, squeegee, or airless spray unit and apply a uniform film 0.13 mm (wet). Always seed primer with oven-dried quartz aggregate (20-40 mesh) at a rate of 0.25 kg/sqm. Allow to cure for 1 to 2 hours before proceeding with application.

On Asphalt: To apply as a primer, use a high quality roller, brush, squeegee, or airless spray unit and apply a uniform film 0.2 mm (wet). Always seed primer with oven-dried quartz aggregate (20-40 mesh) at a rate of 0.25 kg/sqm. Allow to cure for 3 to 4 hours before proceeding with application.

Limitations: Minimum application temperature is 5 °C or rising. Do not apply over damp or wet substrates. Do not apply to surfaces with active moisture vapour transmission. New concrete has to cure 28 days prior to application. Conduct an adhesion test prior to use on asphalt substrates.

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Safety guidelines

Caution Irritant:

Avoid skin and eye contact. Use of approved organic respirator, safety goggles and chemical resistant gloves is recommended. Use with adequate ventilation. Avoid prolonged inhaling of vapours. Wash contaminated clothing prior to reuse.

First Aid:

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Inhalation: Move to fresh air in case of accidental inhalation of vapours.

Clean-up:

Uncured material: remove using a cloth dampened with xylene / butyl acetate.

Cured material: remove mechanically.

Spillage: ventilate area and confine spill. Collect with an absorbent material and dispose of according to current applicable regulations.