



11 Kg (2.5 Gal)



DESCRIPTION

Single-component, quick-drying, water-free, and solvent-free moisture cure polyurethane primer for the treatment of substrates before the installation of wooden floors. The peculiar characteristics of PRIMER PU 40' are its very rapid polymerization, low viscosity and high penetration, which make it suitable for the consolidation and waterproofing of cement and anhydrite substrates in one hand, ready for installation in less than an hour. PRIMER PU 40' can be used to treat dusting screeds or screeds with high residual humidity up to a maximum of 18 lbs./1000 sq.ft./24h. [ASTM F 1869] - 95% rH [ASTM F 2170] (12 lbs./1000 sq.ft./24h. [ASTM F 1869] - 90% rH [ASTM F 2170] in only one coat), as a binder for the preparation of synthetic mortars for quick repairs and as a consolidating agent for old floors.

The absence of solvent makes it safe to transport, store (non-flammable product) and use (since it's odorless, it can also be used near residential environments). Especially recommended for screeds with built-in heating.

TECHNICAL DATA CHEMICAL-PHYSICAL CHARACTERISTICS at 68°F (indicative values not constituting product specifications):	
Completely dry (min)	40
Application method	Roller, brush
Average coverage per coat (Sq.ft./gal)	200/400
Stability and storage (in original, unopened containers stored in a cool, dry place) (months)	12
Calculated VOC (g/lit)	0
To clean tools	SOLVENTE LAVAGGIO
Standard packaging (Gal)	2.5

APPLICATION

In all underexposed cases the subfloor must conform to the NFWA Guidelines, free of any anti-adhesive substance (oils, greases, paints...) and must have an adequate surface finish. If the screed is too fine, it must be roughened with a steel brush or another method to facilitate the penetration of the PRIMER PU 40' in according to ASTM F 3191.

DUSTPROOF TREATMENT

Apply a coat of pure PRIMER PU 40' (approx. 350-400 sq.ft./gal.), after about 40 minutes but always when the film is completely hardened, you can lay the flooring using Vermeister reactive adhesives, epoxy-polyurethane two-components and/or single component with silanic termination.

CONSOLIDATION AND ANTI-HUMIDITY TREATMENT

Apply a first coat (approx. 320-200 sq.ft./gal.) of pure or diluted, with anhydrous solvents for PU systems, PRIMER PU 40' depending on the surface finish and the firmness of the subfloor. After about 40 minutes but always when the film is completely hardened, apply a second pure coat (approx. 320-400 sq.ft./gal.) and, if accumulations form, sprinkle the surface with dry quartz sand. Once the primer has dried, remove the excess sand and after about an hour (and in any case after the final coat has completely dried) you can lay the floor using Vermeister reactive adhesives, epoxy-polyurethane two-components and/or single component with silanic termination.

One coat is required for residual humidity up to 12 lbs./1000 sq.ft./24h. [ASTM F 1869] - 90% rH [ASTM F 2170], the second coat is necessary up to 18 lbs./1000 sq.ft./24h. [ASTM F 1869] - 95% rH [ASTM F 2170]

CONSOLIDATION OF OLD FLOORS

Spread PRIMER PU 40' on the floor, taking care to ensure it penetrates the cracks between the boards. After 24 hours, sand the surface, grout and paint.

PREPARATION OF SYNTHETIC MORTARS

The product, mixed with dry quartz sand to obtain the desired consistency (Primer/Sand Ratio = 1:7), can be used to carry out quick drying repairs and with good adhesion to the subfloor. Before applying the mortar, prime the area to be treated with PRIMER PU 40' (approx. 350-400 sq.ft./gal.). Once the synthetic mortar has completely dried (the times vary depending on the thickness applied) you can lay the floor using Vermeister reactive adhesives, epoxy-polyurethane two-components and/or single component with silanic termination.



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NOTES

Do not put any leftover product back in the packaging.

Jobsite condition must respect the ASTM or NWFA Guidelines, doors and windows must be installed and the environment climate conditions must be checked: the temperature and the relative humidity must be included in the range: 60/75(°F) – 40/70(%).

If the waiting time between the application of the last coat and the next installation is longer than 48/72 hours, sand the surface properly or, during the application of the last coat, sprinkle dusting sand on the primer that is still fresh.

Environmental conditions may affect the drying of the product, low temperatures and low levels of room humidity may increase the final polymerization times.

If product accumulations occur during the application of PRIMER PU 40' due to poor absorption by the subfloor, pour dusting sand onto the still fresh primer.

Excesses of non-sanded product can create surface foaminess with subsequent fragility of the film.

The subsequent installation with reactive adhesives must always be done after the complete hardening of the PRIMER PU 40' film, the application of adhesives to a film that is not completely cross-linked can compromise the polymerization of the adhesive.

Do not use PRIMER PU 40' on subfloors with hydrostatic pressure.

Do not apply the product below 50°F and above 90°F.

Not frost resistant.

Product for professionals use

Safety precautions. Keep the product in a tightly closed, upright container in a cool place away from sources of heat. The product is classified and coded in compliance with EC Directives/regulations concerning hazardous substances. The information for the user is given in the relevant safety sheet. Empty containers or those containing slight traces of the product must be disposed of in accordance with local regulations. VerMeister S.p.A. guarantees that the details given in this sheet are provided to the best of the company's technical-scientific knowledge and experience; however, the company cannot be held responsible in any way for the results obtained with the products as the conditions of application are beyond the company's control. It is always advisable to check the suitability of the product to each specific circumstance. This sheet cancels and replaces all previous editions.