Crystallit® 2K-PUR-Füllgrund, farblos CL-F

Product description

Crystallit® 2K-PUR-Füllgrund CL-F is a high-solids, high-build two-pack polyurethane primer for open- and closed-pore coating compositions on wood and wood materials of all kind. When diluted, Crystallit® 2K-PUR-Füllgrund CL-F can be used as insulating primer for MDF.

Range of application

Crystallit® 2K-PUR Füllgrund CL-F is only suitable for the finishing of interior furniture surfaces. It is also suitable for interior fittings in spaces other than buildings, e.g. campers, caravans, railway carriages, airplanes etc. High-build characteristics, quick drying and good sandability of this product allow an almost universal use, even for spray application on vertical surfaces.

Surfaces

All common wood and wood materials. Hardboard and MDF in moisture-proof applications can be insulated with Crystallit® 2K-PUR Füllgrund CL-F, as described under 'Application'. In the case of extreme stress or of wood rich in resin and contents, such as some pine, teak and wenge, the surface should be insulated with Plastiklack S 7000 before. All Zweihorn® stains (with the exception of wax stain) can be used.

Preparation

For raw wood surfaces a graduated sanding must be carried out (120/150/ possibly180 grit paper). Dust well. Do not sand stained surfaces.

Hardening	
Hardener	PUR-Härter 5085
Mixing ratio (lacquer/hardener)	10:1
Pot life	approx. 8 h at 20 °C, 65 % relative humidity of air

Thinner

PUR-Verdünner S 9004 (normal drying)
PUR-Verdünner S 9029 (slow drying)

Application

Shake or stir well before use!

Crystallit® 2K-PUR Füllgrund CL-F and PUR-Härter 5085 are carefully mixed. Add PUR-Verdünner as required. When used as insulating primer on MDF, add 25 % of thinner. Depending on the surface, the mixture is applied as primer after corresponding drying and intermediate sanding (280-/320-grit paper) 1 – 4 times. Carefully remove the sanding dust after each intermediate sanding.

Application methods		
	Spraying	
	High/Low pressure	Airless/ Airmix
Spray pressure (bar)	1.5-3.0	110-130
Nozzle size (mm)	1.6-2.0	0.23-0.28
Thinner added if required (%)	approx. 10	–
Processing viscosity DIN 4 mm (sec.)	25	40
Coverage per application (g/m²)	100-140	100-140
Yield (m²/l)	7-10	7-10

Drying time (at 20°C room temperature, 65 % relative humidity of air)	
dust-dry	approx. 20 min.
touch-dry	approx. 1 h
sandable	approx. 1-2 h

Aftertreatment

After intermediate sanding (280/320-grit paper) and careful dusting finally varnish with Crystallit® 2K-PUR- Klarlack. With closed-pore compositions, especially when varnished with Crystallit® Hochglanz-klarlack CL-H, drying at least overnight is required.

Product data	
Batch sizes	5 l, 20 l
Batch sizes Härter PUR 5085	0.5 l, 2.5 l, 12.5 l
Viscosity at delivery DIN 4 mm	approx. 45 sec.
Shelf life in unopened original batches	2 years

For further information see the Safety Data Sheet according to 91/155/EWG, which you can find on our website www.zweihorn.com or which you can request from us.

Special notes

▸ Coatings made of polyurethane (PUR) materials must always be sanded and dusted shortly before their further processing in order to guarantee an impeccable bonding.
▸ Do not process and dry PUR varnishes under 15°C.
▸ PUR hardeners are sensitive to moisture. Always store in tightly sealed containers.
▸ Pay attention to the Safety Instruction appearing on the label whenever you handle PUR hardeners.
▸ PUR hardeners should be stored under cool and dry conditions for not longer than approx. one year in the closed original batch.
▸ Crystallit® 2K-PUR-Füllgrund CL-F can also be used on bleached wood (peroxide-resistant).

Meets the following test standards:

Approved for consumer food applications according to § 31, Chapter 1, Regulations regarding consumer goods for food contact applications

EN 71-3 Free from soluble heavy metals (CE approval)

DIN 53160 Part 1 and Part 2 Saliva and sweat proof (CE approval)

Flame resistant according to DIN 4102/B1 on B1-tested particle board, also veneered

DIN 5510 Part 2 - Fire prevention in railway applications

Flame resistant according to IMO-Resolution A 653, USCG approval

TÜV-Toxproof – The label for low-emission paints

Please follow the relevant test certificates for our products, which can be downloaded from our website "www.zweihorn.com" or requested from us.

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