Technical information

Hesse HYDRO-UV Basecoat for roller coating HUW 8828-9343 colourless

>Product description

Hesse HYDRO-UV Basecoat for roller coating HUW 8828-9343 is a high coverage, white adhesion primer. This product has particularly good adhesion properties, especially on HDF boards. A UV activated product based on unsaturated acrylate binders. It can be diluted with water and is ready for use.

>Areas of application

For use on flat parts in the door and furniture industries. Primer followed by coating with suitable UV lacquers on industrial coating lines. Use on wood-based materials such as MDF, HDF or hardboard.

>Surface Preparation

Surface preparation	The substrate must be dry, dust-free and grease-free.
Substrate sanding grits from-to	320 - 400
Lacquer sanding (grit) from - to	400 - 600
Comments on sanding	Sanded lacquer layers and surfaces must be coated directly.

>Finishing

Finishing	After drying without UV hardening with suitable UV lacquer systems without intermediate lacquer sanding. Complete hardening occurs when the first layer of UV lacquer is dried by UV curing. Or alternatively this basecoat can also be gelled.

>Times

Working Temperature Range	15 - 35 °C
conditions of transport	frost-free - up to a maximum of 35 °C
Curing	Pigmented lacquers are cured using a combination of gallium and mercury lamps. Sufficient radiation energy must be provided. This depends primarily on the type, conditions, age and design of the lamp system, so that the optimum UV lamp settings can be implemented on the respective system, and the curing should be checked. Your Hesse representative will assist you with the determination of the necessary radiant energy.
Wet on wet	true
Drying machine	Jet drier
Drying temperature	60 °C
Drying time	2 min
Notes on drying	Drying that is forced, cycled and protected from light is important in UV-curing systems, in order to avoid reaction losses and premature polymerisation. The lacquer's drying time is dependent on substrate, layer thickness and the chosen drying parameters. Complete evaporation of water from the paint film must be guaranteed prior to subsequent UV radiation. Levels of humidity that are too high, low temperature or inadequate air circulation can significantly prolong drying.

>Application

Application
Roller coating
Smooth roller

Hesse HYDRO-UV Basecoat for roller coating HUW 8828-9343 coloured

>Processing instructions

Clean rollers with water.If needed, the working viscosity can be adjusted with at most 3 % water (by volume).Remove dried-on lacquer residues with special thinner ZD 82.

>Technical data

Flow time (+/- 15 %)	45 s / DIN 53211 - 6 mm
Appearance	opaque
Density series kg/l	1.472
Form of delivery	fluid
Non-volatile content series %	65
VOC EU %	0 %
VOC FR	C
Working Temperature Range	15 - 35 °C
Storage temperature	10 - 35 °C
Shelf life in weeks	12
conditions of transport	frost-free - up to a maximum of 35 °C
Working temperature	20 °C

>Ordering information

Order number	Gloss level 60° (Gloss)	Container Size
HUW 8828-9343	-	25 kg

>Equipment cleaner

Order number	Product description	Container Size
HY 6995	Cleaning agent	5 l, 15 l, 25 l

>Particular instructions

Always seal opened containers light-tight and air-tight to prevent skin forming. Remove dried lacquer residue using a sieve. Products in containers should be sieved before application.

>Sample process

The coating process and the precise treatment parameters are adapted in each case to the respective application and drying conditions and can be found in the customer-specific process descriptions (surface techniques).

>General information

When applying HYDRO materials, parts that come into contact with the material must be made from non-rusting material. The wood moisture content should be between 8 and 12 %. Do not apply or dry HYDRO-UV lacquers at material or room-temperatures below 18 °C. Stir the material well before application. When applied on laminates, etc., please use a sample coating on the respective substrate to check the adhesion! Wood containing large amounts of rubber or resin such as teak or pine may negatively affect adhesion under certain circumstances. Water-soluble wood contents such those in ash and tannic acid in woods such as oak may cause colour changes and discolorations in the coating. Always conduct a sample coating in the overall structure to evaluate the colour effect, adhesion and drying process under practical conditions.