

VAROSIVE

VD - 3000R/30H

Two -Component PU System
For Dry Laminating Adhesive

VAROSIVE VD - 3000R/30H System is a alcohol dilutable two component polyurethane adhesive with many advantage over conventional urethane/isocyanate adhesive.

It is suitable for food packaging and has good adhesion, high initial tack and good chemical resistance.

1. Characteristic of VD-3000R/30H

Alcohol Solvent

VD - 3000R/30H is supplied in alcohol and is diluted with alcohol or alcohol/water mixture.

No expensive urethane grade solvents are required, nor is there a pollution problem.

Wide substrate choice

VD - 3000R/30H is recommended cellulose, PE, PP, Nylon films and paper ; it gives excellent clarity on PVDC coated films, high initial tack and good chemical resistance.

Easy Storage

VD - 3000R/30H contains no free isocyanate. There is no reaction with moisture in the air neither is there a potential health hazard.

It therefore has good shelf life, and opened drums may be easily stored in the factory.

Easy Mixing

VD - 3000R/30H has a non-critical mixing ratio, which allows small errors in mixing on the factory floor.

The adhesive ready for use has an excellent pot life, which reduce waste and saves money.

2. Specification

Specification of VD-3000R

- Type : polyurethane(Polyether Type / Likeness to LAMAL Adhesive)
- Appearance : Pale yellow transparent liquid
- Solid Content : 70 ± 2 %
- Viscosity(at 25) : 5,000 ± 2,000 cps
- Shelf life : 6 Months
- Solvent : Ethyl alcohol, Methyl alcohol
- Packing : 15Kgs Tin Can or 180Kgs Steel Drum

Specification of VD-30H

- Type : Epoxy resin
- Appearance : Pale yellow transparent liquid
- Solid Content : 100 %
- Viscosity(at 25) : 17,500 ± 2,500 cps
- Shelf life : 6 Months
- Packing : 20Kgs Tin Can or 200Kgs Steel Drum

3. Practical Usage of VD-3000R/30H

Diluents : Ethyl alcohol, Methyl alcohol
Mixing Ratio(w/w) : VD-3000R/30H = 100/10
Applicable solid : 25 - 40%
Coating method : Gravure roll coating
Coating weight : 150mesh, 2.0 - 4.0 g/m²(dry)
Drying condition : 70 - 90
Pot life : 24hrs at room temperature
Aging time : 48hrs at approx. 60

4. Diluents Table

NV(%)	Mixing Ratio			Total(Kg)
	DV-3000R(Kg)	DV-30H(Kg)	Thinner(Kg)	
25	31.25	3.12	65.63	100
30	37.50	3.75	58.75	100
35	43.75	4.37	51.88	100
40	50.00	5.00	45.00	100

5. Application

OPP / CPP
OPP / Leaf Al.
OPP / perl film etc.

HEPCE CHEM Co., Ltd.

<http://www.hepce.com>

E-mail : hepce@hepce.com

H/O & Factory : TEL : +82-31-491-1611, FAX : +82-31-491-7400,

ShiWha Ind. 6BA-505, #683-4, Sunggok-dong, Ansan-City, Kyungki-Do, Korea, 425-110

R & D Center : TEL : +82-31-417-0662, FAX : +82-31-417-0111

RM No. 412, Ansan Technopark, #1271, Sa -dong, Ansan-City, Kyungki-Do, Korea, 425-791