LONGYAN HUISINS CHEMICAL INTERNATIONAL LIMITED

TDS (Technical Data Sheet)

P/N： Polyaspartic varnish topcoat No.1
Name： Polyaspartic varnish topcoat PV400

Customer： N/A
Customer P/N： N/A
Customer Desc： N/A

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Approved By： Sha LIU

Version History

Rev.	Status	Revision Description	Author/Approved	Date
A	Approved	Initial Release	Sha LIU	2019-01-18

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Product name：Polyaspartic varnish topcoat
Product code： PV400

Product introduction

PV400 is consist of Polyaspartic esters and HDI, variety of pigment, filler,additive and solvent. All main ingredients are manufactured by own.PV 400 is a high-performance, quick-drying coating system for all types of industrial flooring based on Polyaspartic technology.

Characteristic：

■ High solid content, non-toxic environmental protection
■ Excellent resistant to a variety of chemicals such. Acids and alkalis ,Chlorine, salt water, weather resistant.
■ Great adhesion with matched primer and polyaspartic topcoat
■ Excellent elongation at break, impact resistance
■ Excellent waterproofing and decorative function
■ No yellowing, good wear resistance

Application：It is mainly designed and applied to the occasions with high requirements on wear resistance, impact cracking resistance and yellowing resistance.

Product Specification：

Composition： A component: HDI ;B component: Polyaspartics resin
Color：Optional
Solid content by weight：component A:75%, component B:95%
Voc：component A:25%, component B:5%
Hardness(Shore D)： 60 (7 Days)
Flash point： 30±2℃
Viscosity MPaS/25℃： A:200;B:250
Density： 1.05±0.05g/cm^3
Film thickness： Dry：100μm Wet：200-300μm
Theoretical coverage： 7 Sqm/Kg/100μm
Actual value：Related to surface treatment, external environment，application method and other factors.

Elongation：≧80% test method：GB/T 16777-2008
Tensile strength：≧13MPa test method：GB/T 16777-2008
Tear strength N/mm：≧40 test method：GB/T 529-2008
Adhension（concrete）：≧2.2MPa test method：GB/T 5210-2006
Abrasion resistance（750g/500r)：≦15 test method：GB/T 1768-2006

Application parameters:

ratio：
roller apply：A：B＝1：1（by weight）
Working time：

Temperature(℃)	15	25	30
Working time(min)	20	15	10

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Condition：

Environment temperature： 0℃-35℃， Environment moisture：≤85%

Substrate temperature： 3℃ higher than air dew point

Thinner：Standard Polyaspartic thinner

Drying time and interval：

Temperature(℃)	25
Foot traffic(hrs)	3
Mechanical traffic(Day)	1
overcoating interval (hrs)	3

Above data just for your reference, the actual drying time depends on film thickness, ventilation, humidity, primer, mechanical strength etc.

Matched paint：

Suitable paint： matched Polyaspartic primer, polyaspartic coating,or ask for our reference.

Surface treatment：

- Get rid of salt and other water-soluble contaminant with clean water
- remove grease with approperiate detergent
- ensure the surface being clean and dry before application
- pay attention to the recoating window

Storage：

Shelf life： Component B：1 year Component A(HDI)：9 months

Storage temperature： 5℃－35℃

Package：

Component A：20KG /20L Or 200 kg/210L；Component B： 20KG/20L or 200KG/210L

Safety measures：

- Avoid all skin and eye contact
- In case of skin contact，flush with enough water. In case of eye contact，flush with plenty of water and get medical aid immeidately
- Keep great ventilation
- Coating may contains flammable matter. Keep away from spark and smoking around is forbidden.
- Comply with all health&security regulation in site.

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