

LONGYAN HUISINS CHEMICAL INTERNATIONAL LIMITED

TDS (Technical Data Sheet)

P/N: High wear resistant polyurea microsphere topcoat No.1
Name: High wear resistant polyurea microsphere topcoat HA6375

Customer: N/A
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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	2017-01-18

Product Name: High wear resistant polyurea microsphere topcoat

Model No:HA6375

Product introduction

A four-part coating cured by polyaspartic acid ester resin and isocyanate, added white corundum sand and thinner.

Characteristic:

- High solid content, low toxicity, environmentally friendly
- Excellent UV light resistance
- Excellent weather resistance, semi-matt
- Excellent scratch and abrasion resistance

Application:

Mainly used in car parks, commercial decoration and office floor, especially suitable for wear-resistant and scratch-resistant requirements and high gloss retention color protection requirements, can also be used in outdoor direct sunlight occasions.

Physical parameters:

	A agent	C agent
Appearance	Colorless transparent liquid	Various liquids
Viscosity 25℃	900MPaS	
Proportion 25℃	1.05	
Solid content	99%	64%

Material physical properties after curing:

Paint film appearance	Semi-matt slightly anti-slip surface
7th hardness	4H
Wear (CS17 wheel 750g, 500 turn)	15mg
Anti-impact performance (500g, 1m)	Pass

Application parameters:

ratio:

Scraping first and then roller coating: B: A: C: D=100: 20: 25: 75 (by weight)

Working time:

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

Construction dosage: the quantity is strictly controlled at 0.08-0.1kg / m² to avoid accumulation, otherwise foaming will be serious.

Conditions:

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

Substrate temperature: 3℃ higher than air dew point

Thinner: Standard Polyaspartic thinner

Note: This material has very high requirements for construction. It must be professionally trained by our company before use.

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Drying time and application interval:

temperature(℃)	25
Foot traffic(hrs)	8
Mechanical traffic(day)	2
Tack free(hrs)	2

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

Surface treatment:

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

Storage:

Shelf life: Main agent(B): 1 year Hardener(A): 9 months

Storage temperature: 5℃—35℃

Package:

B agent 2.28kg,A agent 0.45kg,C agent0.57kg,D agent 1.70kg. (Matching100:20:25:75)

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 immediately
- 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.

Statement:

The information contained in this data sheet is based solely on our understanding in the laboratory and in practice. But because the use of the product are usually outside our control, so we only give the product itself quality assurance. We reserve the right to modify this manual without prior notice.