

Technical Data Sheet: Ref: TDS-HPC-0001-V02

www.kansaipaint.ir

Date of issue: June 2017

A414-4002

POLYURETHANE VARNISH FLOORING COAT

GENERIC TYPE	Polyurethane																						
DESCRIPTION	A414-4002 is two components, low VOC, SF, polyester-aliphatic urethane varnish.																						
RECOMMENDED USE	As a transparent polyurethane varnish on epoxy & polyurethane paint system where a high glossy finish is required.																						
FEATURES	<ul style="list-style-type: none"> -Superior exterior color and gloss retention- -Excellent process ability -High weather and chemical resistance -Very good adhesion properties -Easy to clean 																						
PHESICAL PROPERTIES	<table border="1"> <tr> <td>Finish</td> <td>High Gloss</td> </tr> <tr> <td>Color</td> <td>Transparent</td> </tr> <tr> <td>Solid by volume</td> <td>98±2%</td> </tr> <tr> <td>Specific Gravity</td> <td>1 ±0.05 gr/cm3</td> </tr> <tr> <td>Flash point</td> <td>> 60 °c</td> </tr> <tr> <td>Recommended D.F.T.</td> <td>20-40 microns</td> </tr> <tr> <td>Theoretical coverage</td> <td>50 -24 m² / Lit</td> </tr> <tr> <td></td> <td>Practical coverage depends on loss factor</td> </tr> <tr> <td>Touch dry</td> <td>1 hrs. at 20° c</td> </tr> <tr> <td>Hard dry</td> <td>24 hrs. at 20° c</td> </tr> <tr> <td>Full Cured</td> <td>7 days. at 20° c</td> </tr> </table>	Finish	High Gloss	Color	Transparent	Solid by volume	98±2%	Specific Gravity	1 ±0.05 gr/cm3	Flash point	> 60 °c	Recommended D.F.T.	20-40 microns	Theoretical coverage	50 -24 m ² / Lit		Practical coverage depends on loss factor	Touch dry	1 hrs. at 20° c	Hard dry	24 hrs. at 20° c	Full Cured	7 days. at 20° c
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APPLICATION

Application method	Air/Airless spray, Brush, Roller
Surface temperature	3 °C min. above dew point
Mixing ratio(by weight)	1.5 : 1
Packaging(A+B)	12KG+8KG
Hardener(B)	A275-2007-1001
Washing Thinner	A840-0414
Pot Life	(25 min. at 15 °c) – (15 min. at 25 °c) – (8 min. at 35 °c)
Application condition	Environment Temperature should be 10 °C min and 40 °C max The relative humidity should not be greater than 85%.

SURFACE PREPARATION

The surface must be clean and dry. All dirt, grease, mill scales and any other foreign materials.

APPLICATION PROCEDURE

- 1.1. Mix the base and hardener of Kansai polyurethane varnish in the given proportion.
- 1.2. Stir using slow speed drill and paddle.
- 1.3. Pour the mixture on the floor and spread using medium pile hair roller or rubber spreader.
- 1.4. Ensure any loose hair is removed from the roller.
- 1.5. Apply a very thin coat with a roller or nylon-polyester brush. Wait 1–2 hours then Apply second coat in a direction perpendicular to the first.

Use 1/4" nap for smooth-troweled surface, 3/8" nap for broom-finished surface, 1/2" nap for rough or textured surface.

-Airless spray:

Nozzle orifice	0.017"-0.021"
Nozzle pressure	150 bar/2175 psi
Airless spray is indicative and subject to adjustment	

CAUTIONS

- Friable and powdery surfaces require special care before painting; if in doubt, contact manufacturer.
- For health reasons avoid dusting when preparing fiber cement surfaces. Keep surfaces wet and wash off residues with water.
- Do not paint under conditions of frost, dew, rain or fog or inclement weather.
- Note:** Painting under the above conditions may affect the performance of the paint film.
- Avoid painting during inclement weather or if temperature is below 10 °C.
- To ensure colors on a project are consistent check if the batch numbers and/or colors supplied are the same.

STORAGE

Store in dry, cool condition and away from sources of heat and ignition. Containers must be kept tightly closed. Store conditions shall be in accordance with national regulations.

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SHELF LIFE

12 months from date of production.

**SAFETY
PRECAUTIONS**

- Keep out of reach of children.
 - Ensure good ventilation during application and drying.
 - In case of skin contact, wash with soap and water or a recognized skin cleaner.
 - Avoid contact with eyes – In case of contact, rinse eyes immediately with plenty of water and seek medical advice if symptoms persist.
 - Harmful if swallowed. Do not induce vomiting. Seek medical attention.
 - Do not smoke while painting.
 - Flammable. Store in a cool dry place away from heat and sparks.
 - Refer to Material Safety Data Sheet for complete information.
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DISCLAIMER: The information given on this sheet is to the best of our knowledge and accurate at the time of issuing. Since conditions of use are beyond the manufacturer's control information contained herein is without warranty implied or otherwise and the suitability of the material for the use contemplated is the sole responsibility of the buyer. The information contained on this data sheet is subject to modification at any time due to our policy of modification and product development.