

CAT. NO. FLR-19-2208

ISOFLEX PU-TC

POLYURETHANE COATING

ISOFLEX PU-TC, is a two component, high build polyurethane coating especially formulated to provide excellent chemical and UV resistance to concrete and steel. It offers excellent color retention, non-chalking, non-yellowing, abrasion resistant protective coating for both internal and external applications. It also serves as the final wearing layer of the **ISOFLEX PU** and **POXILON DECK** traffic deck system.

ADVANTAGES

- Excellent chemical, UV and abrasion resistance.
- Excellent resistance to sea water or submerged condition.
- Corrosion protection for steel.
- Non-yellowing, non-chalking, semi-gloss finish.
- Compatible with epoxy coatings.
- Wide range of colors

USES

- Industrial floors, warehouses, chemical plants
- Parking decks, bridge decks, walk ways, service stations
- Seawater intakes and channels, harbors, piers etc.

TYPICAL PROPERTIES

1. Specific gravity	1.3 ± 0.01 (Mixed)
2. Volume Solids	60 ± 1% (Mixed)
3. Pot life @ 35/25 ^o Celsius	60 – 90 minutes
4. Touch dry @ 35/25 ^o Celsius	2 – 3 Hours
5. Full cure @ 35/25 ^o Celsius	3 – 7 Days
6. Overcoat	Within 48 Hours
7. Recommended thickness per coat	50 – 80 Microns DFT
8. Chemical resistance	Excellent to very good resistance to dilute acids, alkalies, oils, solvents etc.

(Consult ACI for chemical resistance chart)

DIRECTION FOR USE

SURFACE PREPARATION

Surface should be clean, dry, free from dirt, sealers, curing compound, dust and other foreign matters. New concrete should be at least 28 days old. Laitance should be removed by grit blasting or high pressure water jet to provide good mechanical key. Metal substrates should be blasted to near white according to Swedish Standard SA 2½.

PRIMING

Use **ISOPRIME WB** for priming over metal or concrete substrate. **ISOPRIME WB** is a two component, water based epoxy primer. Mix the two components together for two minutes, allow to stand for five minutes, remix then apply using one-fourth nap roller. Allow to dry completely before applying **ISOFLEX PU-TC**.

MIXING/ APPLICATION

ISOFLEX PU-TC comes in two-component, pre-weighed kits (Parts A and B). First, stir the contents in each can, then combine together. Mix using a slow speed electric drill fitted with a paddle for 3-5 minutes until uniform in color and streak-free. Apply using paint brush, short-haired nap roller or by airless spray.

CLEANING

ISOFLEX PU-TC can be cleaned-off from tools while still wet using **ISOKLEEN**.

PACKING/ COVERAGE

- **ISOPRIME WB** is packed in 4.5 liter kit and will theoretically cover 8-10 square meters per liter.
- **ISOFLEX PU-TC** is packed in :

Pack size	Theoretical coverage	Wet film thickness, microns	Dry film Thickness
4.5 Liter Kit	33-54	80-130	50-80
17 Liter Kit	127-204	80-130	50-80

NOTES

- **ISOFLEX PU-TC** contains flammable solvents. Keep away from heat or open flame. Provide forced air ventilation when working in confined space. Alternatively wear respirators.
- When applying over cured epoxy coatings, substrate must be abraded.
- Substrate temperature must be at least 3⁰ Celsius above the dew point.

SHELF LIFE

Twelve months when stored in unopened, original packing stored in dry and cool warehouse condition.

HEALTH/ SAFETY

As with all chemicals, caution should always be exercised. Protective clothing like rubber hand gloves, coveralls and eye goggles should be worn. Refer to MSDS for more instructions.

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Technical information, data are to be considered as typical values and not sales specification. Actual measured values may vary due to factors beyond our control. Indications concerning function and application of the products are empirical. Although the information is believed to be accurate, there is no warranty by ISOLA. None of the recommendations becomes part of the warranted quality of the products. Due to the fact that the conditions of individual use are beyond ISOLA's direct and continuous control, ISOLA disclaims all responsibility in connection with the use of its products and does not warrant against any loss direct or consequential

ISOLA SOLUTIONS W.L.L

P.O. Box 530, Manama, Kingdom of Bahrain, Tel: 17784777, Fax:17911422, Email: isola@hajihassan.com, web: www.isolasolutions.com