



INTERPLAN 1083 with Hardener 1042

DESCRIPTION

Waterborne 2 pack UV-resistant polyurethane-acrylic topcoat. This paint is formulated to offer a hard and wear resistant surface, is also dirt and stain repellent, high abrasion resistant. INTERPLAN 1083 can be applied with or without primer as a single coat system on a wide variety of substrates after proper testing and depending on the final result.

SPECIFICATIONS

- Passes OSU 55/55 requirements with or without the primer INTERPLAN 1200B.
- FAR 25.853 test a and d.
- ABD0031

PRETREATMENT

1. Clean dry with Scotch Brite Red Type A very fine.
2. Remove dust by using air pressure or clean cloth.
3. Degrease with isopropanol or other approved solvent.
4. Check result with water-break test (water drop has to spread out). To repair a filler of INTERPLAN 100 range can be used and for good adhesion properties INTERPLAN 1200B.

MIX RATIO

	<u>By weight</u>		<u>By volume</u>
Base 1083	50 g	Base 1083	17 parts
Hardener 1042	10 g	Hardener 1042	4 parts
Water till spray viscosity	+/-8.5 g	Water till spray viscosity	+/-3.5 parts

**While stirring thoroughly add hardener first, followed by water to obtain spray viscosity. Always verify spray viscosity.
DO NOT ADD WATER DIRECTLY TO INTERPLAN 1042.**

APPLICATION

Any usual spray equipment.
Pneumatic equipment with nozzle orifice 1.6-2.0 mm.
Airless with a nozzle orifice 0.013 inch.
Spray viscosity (20°C):
38-42 seconds DIN Cup 4
19-21 seconds ZAHN Cup 3
25-27 seconds ISO Cup 6

OPTIMAL WORKING CONDITIONS

Temperature	15-35°C (60-95°F)
Relative humidity	10-80%

CLEANING EQUIPMENT

Clean equipment immediately after use with water.

PRECAUTIONS

Use masks and respiratory devices.
See SDS for further detailed information.

DRYING TIMES (T=25°C/R.H.55%) (ASTM D5895) (DRY FILM 50µm)

Set to touch:	4 minutes
Tack free:	8 minutes
Dry hard:	16 minutes
Dry through:	55 minutes
Full cure:	7 days

Flash off time between coats or before oven cure: min. 50 minutes (at 50 microns dry). Curing time @60°C: minimum 1 hour.

COLOURS

Most colours are available.

DENSITY

Base 1083	1.15-1.35 kg/L	9.6-11.3 lb. /gal.
Hardener 1042	1.13 kg/L	9.4 lb. /gal.
Mixed + water	1.1-1.3 kg/L	9.2-10.8 lb./gal.

VOC (ASTM D3960)

190-210 g/L less water	1.59-1.76 lb. /gal less water
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SOLIDS CONTENT (ASTM D5201)

Base 1083	49-56% by weight	42-43% by volume
Hardener 1042	70% by weight	62% by volume
Mixed + water	49-53% by weight	42-43% by volume.

THEORETICAL SPREADING RATE

Base + hardener:	9.4-9.5 m ² /L @ 50 microns
	7.9-8.5 m ² /kg @ 50 microns

POTLIFE (20°C)

3 hours depending on temperature. Do not apply after potlife has expired.
Do not add leftovers to fresh paint.

PACKAGING

1 mini-kit:	1 kg INTERPLAN 1083 0.2 kg INTERPLAN 1042
1 kit:	4 kg INTERPLAN 1083 0.8 kg INTERPLAN 1042

STORAGE STABILITY

In closed containers and at T=5-25°C (41-77°F):

Interplan 1083	2 years
Interplan 1042	1 year

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