



## INTERPLAN 1083 with Hardener 1041

### DESCRIPTION

Waterborne 2 pack UV-resistant polyurethane-acrylic topcoat designed to meet the original equipment manufacturers requirements. 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
- Meets all BMS 10-83 Type II + III specification requirements.
- Embraer qualified according MEP 10-073.

### 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	30 g	Base 1083	15 parts
Hardener 1041	10 g	Hardener 1041	6 parts
Water fill spray viscosity	+/-6 g	Water fill spray viscosity	+/-4 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 1041.**

### 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):  
38-48 seconds DIN Cup 4  
19-21 seconds ZAHN Cup 3  
25-27 seconds ISO Cup 6

For paint roller or brush a modified quality is available **INTERPLAN 1083R**. Consult the relevant TDS.

## 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)

Set to touch:	4 minutes
Tack free:	8 minutes
Dry hard:	21 minutes
Dry through:	50 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.	
<b>!! Full adhesion obtains after full cure: 7 days !!</b>	

## COLOURS

Most colours are available.

## DENSITY

Base 1083	1.15-1.35 kg/L	9.6-11.3 lb. /gal.
Hardener 1041	1.10 kg/L	9.2 lb. /gal.
Mixed + water	1.1-1.2 kg/L	9.2-10.0 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 1041	77% by weight	76% by volume
Mixed + water	49-53% by weight	42-43% by volume.

## THEORETICAL SPREADING RATE

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

## POTLIFE (20°C)

5-6 hours depending on temperature. Do not apply after potlife has expired. Do not add leftovers to fresh paint.

## PACKAGING

1 mini-kit:	0.75 kg (3 parts) INTERPLAN 1083
	0.25 kg (1 part) INTERPLAN 1041
1 kit:	3.6 kg (3 parts) INTERPLAN 1083
	1.2 kg (1 part) INTERPLAN 1041

## STORAGE STABILITY

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

Interplan 1083	2 years.
Interplan 1041	1 year

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