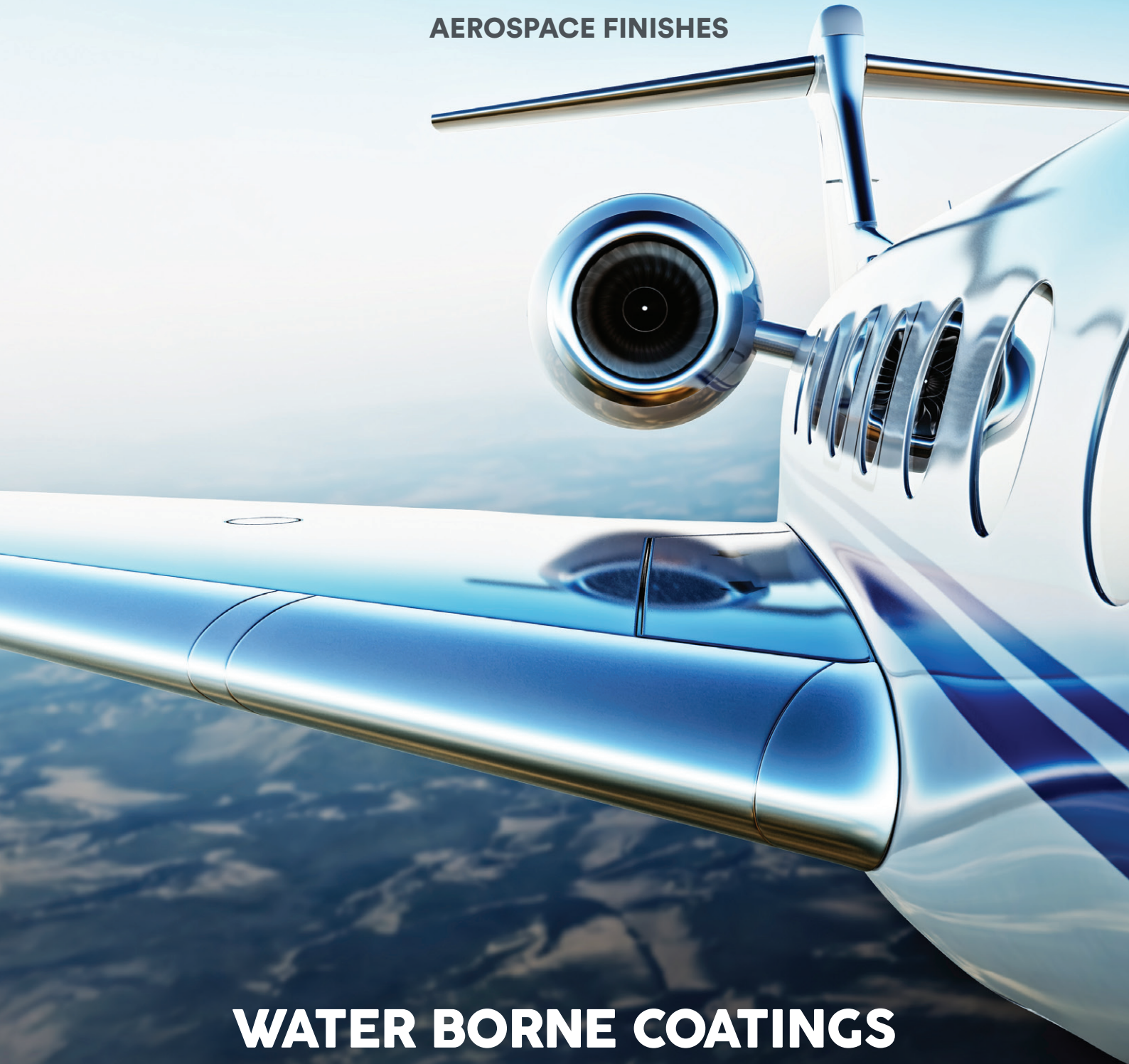




AEROSPACE FINISHES



**WATER BORNE COATINGS
FOR AIRCRAFT INTERIORS**



SHORT DRYING



UV RESISTANCE



COMPETITIVE



**HIGHER
PRODUCTIVITY**



WATER BORNE



**FAR 25.853
APPROVED**



NON HAZMAT

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INTERCOACH 5600

DESCRIPTION

Waterborne UV-resistant acrylic topcoat designed for application on a wide variety of substrates. It provides an extremely hard, wear resistant and durable surface on components made of polycarbonates, composites, honeycomb panels, air films, aluminium painted and unpainted surfaces. It does not affect impact resistance of plastics (no stress-crazing).

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 the INTERCOACH 5100 range can be used and for good adhesion use INTERCOACH 5075 M or PC. Consult the relevant TDS.

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):
40 seconds DIN Cup 4
20 seconds ZAHN Cup 3
27 seconds ISO Cup 6
For paint roller or brush a special additive (IP PAINT DEFOAMER) can be added to INTERCOACH 5600.

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:	3 minutes
Tack free:	4 minutes
Dry hard:	7 minutes

Dry through: 9 minutes
Full cure: 3 days
Flash off time between coats or before oven cure: 15-30 minutes.
Oven cure @ 60°C 1 hour.

DRY FILM THICKNESS 20-30 microns (one cross coat).

COLOURS Most colours are available.

DENSITY 1.15-1.35 kg/L 9.6-11.3 lb. /gal.

VOC (ASTM D3960) 110-140 g/L less water 0.92-1.17 lb. /gal less water

SOLIDS CONTENT (ASTM D5201) 50-60 % by weight
42-46 % by volume

THEORETICAL SPREADING RATE 8.4-9.2 m²/L @ 50 microns

PACKAGING 1 kg
5 kg
1 Gallon
10g (Interpen)

STORAGE STABILITY In closed containers and at T=5-25°C (41-77°F): 2 year.
Interpen at T=5-25°C (41-77°F): 6 months.

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INTERPLAN 1083

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 till spray viscosity	+/-6 g	Water till 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):
38-42 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.

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:	3 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 5800	1.2-1.3 kg/L
Hardener 5801	1.10 kg/L
Mixed + water	1.15-1.25 kg/L

VOC (ASTM D3960) 190-210 g/L less water

**SOLIDS CONTENT
(ASTM D5201)**

Base 5800	49-56% by weight	42-43% by volume
Hardener 5801	77% by weight	76% by volume
Mixed + water	49-53% by weight	42-43% by volume.

**THEORETICAL
SPREADING RATE**

Base + hardener:	14 m ² /L @ 50 microns
	11-12 m ² /kg@ 50 microns

POTLIFE (20°C) 5-6 hours depending on temperature. Do not apply after the potlife has expired. Do not add leftovers to fresh paint.

PACKAGING

1 kit:	5kg INTERCOACH 5800
	1 kg INTERCOACH 5801

STORAGE STABILITY In closed containers and at T=5-25°C (41-77°F): 2 year.

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