Intercryl® 988

Water Based Acrylic

PRODUCT DESCRIPTION

Single pack pure acrylic membrane coating designed to provide high quality cosmetic appearance with protection. It is also the preferred coating for sprayed polyurethane foam and is a long life finish coat over Intergard 436 on fibre cement roofing.

Intercryl 988 has high volume solids, exhibits long term resistance to UV and atmospheric pollution and remains permanently flexible and elastic.

INTENDED USES

Where a tough, flexible weatherproof finish is required. Typical applications include:

Protective membrane on Intergard 436 sealed asbestos and fibrous cement roofing and sheeting.
Protective membrane on sprayed polyurethane foam used for insulating storage tanks, process vessels, industrial plants and buildings.
Decorative and protective finish for off form concrete or cement rendered structures.

PRACTICAL INFORMATION FOR INTERCRYL 988

Colour	White. Colours available made to order.
Gloss Level	Low Gloss
Volume Solids	60%
Typical Thickness	200-400 microns (8-16 mils) dry equivalent to 333-667 microns (13.3-26.7 mils) wet
Theoretical Coverage	3 m²/litre at 200 microns d.f.t and stated volume solids 120 sq.ft/US gallon at 8 mils d.f.t and stated volume solids
Practical Coverage	Allow appropriate loss factors
Method of Application	Airless Spray, Brush, Roller

Drying Time

			Overcoating Interval with recommended topcoats	
Temperature	**Touch Dry**	**Hard Dry**	*Minimum*	*Maximum*
10°C (50°F)	5 hours	16 hours	16 hours	Extended[1]
15°C (59°F)	3 hours	12 hours	12 hours	Extended[1]
25°C (77°F)	75 minutes	4 hours	4 hours	Extended[1]
40°C (104°F)	30 minutes	2 hours	2 hours	Extended[1]

[1] See International Protective Coatings Definitions and Abbreviations

Drying times are dependent upon ambient conditions. The figures quoted above have been determined at the quoted temperature and 60% relative humidity

REGULATORY DATA

Flash Point (Typical)	>101°C (>214°F)	
Product Weight	1.43 kg/l (11.9 lb/gal)	
VOC	475 g/l (3.96 lb/gal) 38 g/l (0.31 lb/gal)	(Calculated) EPA Method 24

See Product Characteristics section for further details

SURFACE PREPARATION

All surfaces to be coated should be clean, dry and free from contamination. Prior to paint application all surfaces should be assessed and treated in accordance with ISO 8504:2000.

Fibrous Cement and Asbestos Sheeting

Prepare surface and seal with Intergard 436 as per datasheet for that product.

Polyurethane Foam

Ensure foam is clean, dry and free of any loose material, dirt, dust or oils. Apply Intercryl 988 directly to the foam.

Concrete Substrates

Concrete should be cured for a minimum of 28 days prior to coating. The moisture content of the concrete should be below 6%. All surfaces should be clean, dry and free from curing compounds, release agents, trowelling compounds, surface hardeners, efflorescence, grease, oil, dirt, old coatings and loose or disintegrating concrete. All poured and precast concrete must also be sweep blasted (preferred) or acid etched to remove laitence. Large cracks should be filled with the appropriate filler. When coating new tilt formed concrete an epoxy sealer must be employed.

Galvanised Steel

Degrease to SSPC-SP1 and remove any white zinc corrosion products by hand abrasion cleaning. Weathered galvanised steel should be degreased and have areas of corrosion wire brushed to remove loose rust and spot primed with Interzinc 52 or Interplus 356.

APPLICATION

Mixing	This material is a one component coating and should always be mixed thoroughly with a power agitator before application.	
Mix Ratio	Not applicable	
Airless Spray	Recommended	Tip Range 0.48-0.64 mm (19-25 thou) Total output fluid pressure at spray tip not less than 211 kg/cm² (3000 p.s.i.) Do not thin
Air Spray (Pressure Pot)	Not recommended	
Brush	Suitable - small areas only	Typically 75 microns (3.0 mils) can be achieved
Roller	Recommended	Typically 75 microns (3.0 mils) can be achieved
Thinner	Water (clean)	
Cleaner	International GTA991	

Work Stoppages

Thoroughly flush all equipment with International GTA991. All unused material should be stored in tightly closed containers. Partially filled containers may show surface skinning and/or a viscosity increase of the material after storage. Material should be filtered prior to use.

Clean Up

Clean all equipment immediately after use with clean water followed by International GTA991. It is good working practice to periodically flush out spray equipment during the course of the working day. Frequency should depend upon amount sprayed, temperature and elapsed time, including any delays.

All surplus material and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.

PRODUCT CHARACTERISTICS

Apply by airless spray. Thoroughly flush equipment with International GTA991 thinner followed by water prior to use. To obtain maximum edge protection and film build, airless spray application is recommended. Application by other methods, e.g. brush or roller, may require more than one coat.

If applying Intercryl 988 by brush or roller, material should be flowed on rather than brushed out. Application by brush or roller will usually not result in a smooth film.

As with all water borne coatings careful control of application conditions is required to ensure good performance.

The following basic parameters must be adhered to:

Intercryl 988 must be protected from freezing at all times during storage.

The minimum steel temperature for application must be above 10°C (50°F), and be at least 3°C (5° F) above dew point.

The relative humidity should be lower than 70% otherwise drying and overcoating times will be severely extended.

Good airflow is essential around the object being painted [minimum air speed 0.1m/sec (4 inches/sec)].

Minor areas which are difficult to ventilate should be brush applied to prevent over-application.

The minimum film forming temperature (M.F.F.T.) for Intercryl 988 is 5°C (41°F). Application below the M.F.F.T. of the coating and/or poor ventilation will result in poor film coalescence and a powdery cracked film which will require removal and re-application.

Note: VOC values are typical and are provided for guidance purpose only. These may be subject to variation depending on factors such as differences in colour and normal manufacturing tolerances.

SYSTEMS COMPATIBILITY

The following primers are recommended for Intercryl 988 when applied over steel:

Water borne:

Interprime 371

Solvent borne:

Intercure 200	Interzinc 22
Intergard 251	Interzinc 42
Interplus 356	Interzinc 52
Interseal 670HS	Interzinc 215
Interzinc 12	Interzinc 315

This product is self priming over appropriately prepared concrete and galvanised substrates.

The following topcoats are recommended for Intercryl 988:

Intercryl 530

For other suitable primers/topcoats, consult International Protective Coatings.

ADDITIONAL INFORMATION

Further information regarding industry standards, terms and abbreviations used in this data sheet can be found in the following documents available at www.international-pc.com:

- Definitions & Abbreviations
- Surface Preparation
- Paint Application
- Theoretical & Practical Coverage

Individual copies of these information sections are available upon request.

SAFETY PRECAUTIONS

This product is intended for use only by professional applicators in industrial situations in accordance with the advice given on this sheet, the Material Safety Data Sheet and the container(s), and should not be used without reference to the Material Safety Data Sheet (MSDS) which International Protective Coatings has provided to its customers.

All work involving the application and use of this product should be performed in compliance with all relevant national, Health, Safety & Environmental standards and regulations.

In the event welding or flame cutting is performed on metal coated with this product, dust and fumes will be emitted which will require the use of appropriate personal protective equipment and adequate local exhaust ventilation.

If in doubt regarding the suitability of use of this product, consult International Protective Coatings for further advice.

PACK SIZE	Unit Size	Vol	Pack
	5 US gal	4.5 US gal	5 US gal
	20 litre	18 litre	20 litre
	For availability of other pack sizes, contact International Protective Coatings.		
SHIPPING WEIGHT (TYPICAL)	Unit Size		
	20 litre	27.6 kg	
	5 US gal	57.7 lb	
STORAGE	Shelf Life	24 months minimum at 25°C. Subject to re-inspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition. Protect from freezing at all times during storage	

Important Note

www.international-pc.com