

# Intercrete 4890 Application Guidelines

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Successful in-service performance of a coating system depends upon both the correct choice of product(s) and the adoption of the correct guidelines for surface preparation and paint application. The responsibilities for achieving the specific standards outlined, and for carrying out surface preparation and paint application, rest with the Contracting Company. Under no circumstances do these responsibilities rest with International Paint. We will generally provide for the presence of a Technical Service Representative at key stages during the performance of the contract. The role of the International Paint Technical Service Representative is advisory only unless otherwise specified in the terms and conditions of the contract. The information contained herein presents guidelines for the application of Intercrete 4890 to correctly prepared surfaces.

## 1. SURFACE PREPARATION and EQUIPMENT

Areas to be treated must be free from unsound material, i.e. dust, oil, grease, corrosion by-products and organic growth. Mechanically remove surface laitance, any curing agents, release oil, etc., and any soft, sandy or flaking material. Use techniques to achieve the required degree of preparation, such as wet grit or water blasting techniques or equivalent approved methods.

### Equipment

Brushes: Wide, soft nylon or bristle paint brushes.

Rollers: Use a heavy nap ( $\frac{3}{4}$ " or 1") synthetic cover.

Spray: Airless spray can be used on smooth substrates; always finish off in one direction. Most types are suitable operating at 1500-3000psi tip sizes 17-23 thou. An acceptable spray finish can be achieved with a Graco Ultra Max II 490 electric airless spray pump using a 19 thou tip at 2700psi.

## 2. PRIMING

Ensure substrate moisture content is less than 20% wood moisture equivalent. Apply a primer coat to prepared surfaces. The primer should consist of Intercrete 4890 diluted 25% with clean water. This dilution should be applied a rate of 5m<sup>2</sup>/litre by brush, roller or airless spray. Ensure complete coverage. Rough or porous surfaces will increase consumption.

Primer Coat Coverage Rate			
l/m <sup>2</sup>	m <sup>2</sup> /l	WFT (µm)	DFT (µm)
0.2	5	200	Nominal 50

Allow to cure for a minimum of 1-2 hours before proceeding with the topcoat application.

## 3. COATING APPLICATION

Apply undiluted Intercrete 4890 by brush, roller or airless spray at the coverage rates below. Allow to dry for 1-4 hours in ideal conditions until touch dry before applying a second coat. To assist application and to act as a guide to coverage rates, each coat may be applied in a contrasting colour. Allow 1-2 hours between coats.

Coat	Coverage Rate – Scheme 1				Coverage Rate – Scheme 2			
	l/m <sup>2</sup>	m <sup>2</sup> /l	WFT (µm)	DFT (µm)	l/m <sup>2</sup>	m <sup>2</sup> /l	WFT (µm)	DFT (µm)
1 <sup>st</sup>	0.4	2.5	400		0.63	1.6	625	
2 <sup>nd</sup>	0.4	2.5	400		0.63	1.6	625	
Overall	0.8	1.25		Nominal 256	1.25	0.8		Nominal 400

A nominal DFT of 400µm may also be achieved on Scheme 1 through the addition of a third topcoat, applied at the same coverage rate.

Coverage rates are for smooth, non-absorbent surfaces. Make allowances for uneven or absorbent surfaces. Rough, porous or irregular substrates will reduce coverage.

If possible, complete work using only one batch number. As with any paint, avoid using different batch numbers on the same elevation, or inter-mix batches to ensure full continuity of colour.

Regularly check the coating thickness during application using the wet film thickness gauge available from AkzoNobel.

Clean brushes and rollers occasionally during use and regularly clean spray nozzles to avoid blockages.

Curing/drying is temperature dependent. As a guide the coating will be touch dry in approximately 1 hour in hot conditions (>30°C [86°F]), 2 hours at 20°C (68°F) and 4-12 hours at lower temperatures (<10°C [<50°F]). The product is through-cured in 2-24 hours dependent on ambient temperature.

Cold Weather Working (See separate Guide)

- ≥3°C (≥37°F) providing this is 2°C (4°F) above the dew point.
- **Do not use any product which has been frozen.**

## 4. CLEANING and STORAGE

All tools should be cleaned with water immediately after use. Spray equipment must be emptied and flushed at the end of the working day.

Shelf life is 2 years for unopened containers stored in dry, frost free conditions away from heat.


Avoid prolonged storage at high temperatures (≥35°C [95°F]).

Intercrete 4890 is intended for use only by professional applicators in industrial situations in accordance with the advice given in this leaflet and on containers and should not be used without reference to the Material Health and Safety Data Sheets (MSDS) which International Protective Coatings has provided to its customers. If for any reason a copy of the relevant Material Health & Safety Data Sheets (MSDS) is not immediately available the user should obtain a copy before using the product.

Minimum safety precautions in dealing with all paints are:

- Take precautions to avoid skin and eye contact (i.e. use overalls, gloves, goggles, face mask, barrier creams etc.).
- Where possible provide adequate ventilation. In confined spaces with poor or no ventilation, use airfed hoods.
- If product comes in contact with the skin, wash thoroughly with lukewarm water and soap or suitable industrial cleaner. Do not wash with solvents. If the eyes are contaminated flush with water (minimum 10 minutes) and obtain medical attention at once.
- These coatings contain flammable materials and should be kept away from sparks and open flames. Smoking should be prohibited in the area.

Observe all precautionary notices on containers.

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