



# INCORE

## INTEGRAL PERMANENT WATERPROOFING

### Technical Data Sheet

#### DESCRIPTION

Incore is a liquid admix that when added to concrete it creates an integral membrane to waterproof and control vapor in a concrete structure. Incore enhances concrete by making it more durable, increasing life expectancy and creating better functional uses. Incore can be used as a primary and secondary protection for moisture and vapor.

#### ADVANTAGES

- ❖ Can be used below or above grade
- ❖ Corrosion protection from salts in water and air
- ❖ Will not alter set times
- ❖ Stops hydrostatic static problems
- ❖ Stops moisture migration and capillary reaction
- ❖ Self-seals micro cracks
- ❖ Added as a liquid for instant mixability and creates a more homogenized mix, i.e., no clumping
- ❖ Reduce construction time
- ❖ Provides permanent protection
- ❖ Negative and positive side waterproof protection
- ❖ Increases in chemical resistance
- ❖ Paintable surface
- ❖ Zero VOC
- ❖ Increases in strength
- ❖ Easy to clean
- ❖ Allows concrete slab to breath
- ❖ Controls ASR
- ❖ Freeze Thaw resistant
- ❖ Chemical resistant

#### APPLICATIONS

Incore is ideal for foundations, parking decks, retaining walls, sidewalks, warehouse floors, precast structures, gas pads, trash pads, pools and pool decks, decorative concrete, secondary containment tanks, petro plants and more.

#### TECHNICAL

Appearance: Clear to slightly yellow  
Material: liquid form  
Freeze point: 32 degrees fahrenheit  
Shelf life: 2 years  
Active ingredients: 30%  
Dosage: 14 oz per 100wt  
Specific gravity: 1.10  
Clean up: water  
Film: Insoluble Crystalline Gel  
Permeability Avg: 10X-8

ASTM	METHOD	RESULTS
D5084	Hydrostatic Permeability	1.47 X 10 <sup>-8</sup> cm/sec
C39	Compressive Strength	117 Percent of Control
C157	Drying Shrinkage	No effect

#### LIMITATIONS

Do not let freeze

Do not use with chloride products

Curing products are not needed. If desired, please use Concure's Cure and Seal Product. If other curing agents are employed they must be removed aggressively by means of scarifying or bead blasting prior to flooring installation.



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#### PACKAGING

275 Gallon Totes  
55 Gallon Drums  
5 Gallon Pails

#### PRECAUTIONS

Avoid using paraffin or petroleum based curing agents as they need to be mechanically removed, substrate skim coated prior to installations.

NOTE: INCORE & DERMASHIELD are compatible with all finished floor coverings and coatings

Concure Systems recommends following established ACI / Resilient Flooring Institute guidelines for curing. Complete installation recommendations are available from the flooring manufacturer

A representative of Concure Systems can be present, upon request, at the Batch/Jobsite during dosing/mixing and placement for the initial major concrete placement. If additives are required or needed, use non- chloride products. Retarders can be used when weather conditions require a retarder to be used(i.e. - high temp, high humidity).

#### MIXING AND APPLICATION

Concure recommends Incore be used in mix designs at a .45 w/c ratio. If a slump of over 4 inches is desired, use a Super-P in lieu of water.

The dosage rate is 14 oz per 100 pounds of cement binder. The binder is considered Portland cement, fly ash, slag or any other type of powder used in the creation of a concrete structure. Incore is used in lieu of water. For example, on a typical 10 yd mix you would eliminate 5 gallons of water and add 5 gallons of Incore.

#### TRUCK OR PLANT MIXING:

You can add Incore at the time of water and other liquids or after the concrete has been mixed.

#### ON-SITE MIXING:

Concrete should look stiff. Add Incore to truck mix for 7 minutes at high speed. You can adjust slump with a super-p.

#### Finishing:

Finish as you would normally finish concrete. Do not wait for bleed water. Cure as per ACI standards. Use wet cure with water. If you want a cure and seal we recommend the use of Concure's 2100 Cure and Seal.

Shelf life: Up to 2 years in unopened container. If container is open, 1 year. Store in temperatures between 50 degrees and 90 degrees.

Do not let freeze

#### LIMITED WARRANTIES

Extended Warranties are available. Written extended warranties are available on a per job basis. If an extended warranty is required, the following items must be supplied to Concure Systems –

D-Scope meeting should be scheduled prior to the pour to discuss the following –

1. Mix Design
2. Batch Plant quality control testing
3. Concrete Contractor participation in finishing and curing
4. Submission of all materials to be used on sealed concrete surface
5. GC acknowledgements

Please call for further information

#### DISCLAIMER:

To the best of our knowledge the technical data contained herein is true and accurate on the date of publication and is subject to substitution due to supply change shortages without prior notice. Please contact Concure Systems to confirm most up to date product information.