

## Technical Data Sheet



**Havard Epoxy  
Systems**

### **OCO 301-RT**

Medium Viscosity Concrete Epoxy  
For Reference Only

**Date:** January 3, 2018    **Revision:** 001.1

**Recommended Cure:** >21°C / 24 hours

**Components:** Two  
**Mix Ratio by weight:** 4.5: 1  
**Specific Gravity:** 1.30 : 0.98  
**Pot Life:** 1-2 hours  
**Shelf Life:** 1 year

**Keep containers tightly closed during storage. Store in cool dry conditions.**

#### **Physical Properties**

<b>Color:</b>	Part A: Gray, Opaque	Part B: Slight yellow, translucent
<b>Consistency:</b>	Pourable Liquid	
<b>Viscosity (25°C):</b>	80000cP	
<b>Shore D Hardness:</b>	84	

#### **Uses and Application Notes:**

##### **Uses:**

**Concrete:** Used to bond fresh concrete to hardened concrete or hardened concrete to hardened concrete. Can be used to adjoin surfaces of concrete or repair gaps and cracks from broken pieces.

**Metal:** Used to bond metal plates, bolts, anchors or rebar into concrete. Can be used to bond stair rails and other structural components into existing concrete.

**Patching:** Used to repair surface sections of broken concrete.

**Non-skid surface:** Used to form a non-skid surface when sand is incorporated into the epoxy layer.

##### **Application Notes:**

- Ensure that sample is thoroughly mixed to ensure proper curing of the epoxy. Components can separate. The epoxy should be stored at (60-80°F) for 24 hours before use.
- Temperature of the concrete must be at 16°C (60°F) or above for curing for at least a 24 hour period.
- Concrete and/or metals should be mechanically roughened and clean of dust, oil, rust, paint to ensure proper bonding. The epoxy should be wet or tacky when joining pieces together, otherwise a bond will not be formed. If pieces require clamping, only a light pressure is required to keep pieces together.
- When installing bolts and anchors, the hole diameter should be ¼" larger than the bolt diameter and 10-15 times deeper than the diameter. Fill the clean dust free hole about 2/3rds with epoxy, insert the bolt and top off with epoxy to finish.
- When used as a non-skid surface, sand or other abrasive material can be applied to the wet epoxy and embedded with a mohair roller.
- Clean tools and equipment immediately with toluene or xylene. Clean equipment away from all ignition sources and avoid breathing vapors or allowing epoxy-containing solvent to contact skin. Should this material come in contact with the skin, wash thoroughly with soap and water, not solvent.

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