

CORRO – HEAT 206 TECHNICAL DATA

SOLVENT FREE, HIGH TEMPERATURE EPOXY RESIN

Solvent Free | **High temperature upto to 260°C**
Ideal for Composite Repairs | **Cures to hard and “dust-free” even at high**
and Concrete Crack Sealing | **temperature**

DESCRIPTION	<p>CORRO-HEAT 206 is a formulated using a combination of liquid epoxy resin and a special high temperature curing agent. A unique feature of this combination is that although it has a high heat distortion temperature it still cures to a hard and “dust-free” condition at normal temperatures. This feature is very useful since it permits convenient handling of laminates prior to final heat curing.</p> <p>CORRO-HEAT 206 has been tested as an external repair composite on a 30” pipe at 356°F, (180°C), at an operating pressure of 300 psi for over four months without failure. Dry testing on steel indicates a temperature resistance up to about 500°F, (260°C).</p> <p>Although the resin hardens at normal ambient temperature it must be heated to a minimum of 150°F/66°C for at least 3 hours for full curing. Maximum Tg, glass transition temperature, is reached after heating to 302°F, (150°C).</p>
USES	High temperature resin for crack filling and composite production.
APPEARANCE	<p>COLORS Amber colored or dark green after curing</p> <p>FINISH Full Gloss</p>
PHYSICAL PROPERTIES	<p>VEHICLE TYPE Polyamine cured epoxy resin.</p> <p>PIGMENTATION None, (clear resin), or standard green</p> <p>COLORS Amber colored or dark green after curing</p> <p>FINISH Full Gloss</p> <p>THINNER Not normally required</p> <p>CLEANER MEK or lacquer thinner</p> <p>MIXING RATIO 3.70/1.00 by weight, 3.50/1.00 by volume</p> <p>INDUCTION TIME Not Required</p> <p>POT LIFE Approx. 1 hr. / 77°F, (100 gram mass).</p> <p>SOLIDS BY VOLUME 100%</p> <p>REQ. DRY FILM THICKNESS.....NA</p> <p>SPREADING RATE/GAL..... 231 cubic inches/gallon</p> <p>DRY TIME, (Dust free)6 hours at 77°F</p> <p>DRY TIME, (To Handle)..... Overnight at 77°F</p> <p>APPLICATION METHOD..... Brush, Roller, Injection</p> <p>VOCEssentially zero</p>
SAFETY INFORMATION	<p>FLASH POINT Over 200°F</p> <p>STORAGE CONDITIONS.....Normal</p>
SURFACE PREPARATION	Surfaces under composites should be free of dust, dirt, oils and moisture. CORRO-HEAT 206 can be applied over properly prepared steel, galvanizing, aluminum and concrete.

SOLVENT - FREE COATING FOR WET OR BRUTAL ENVIRONMENTS

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MIXING PROCEDURE	<p>CORRO-HEAT 206 is supplied in kits of premeasured base and curing agent. Use a suitable mixer to initially stir the base then pour in the curing agent and continue mixing for about one extra minute taking care to incorporate all material from the base and sides of the pail. When supplied as green the epoxy base is dark blue and the cure is bright yellow, when thoroughly mixed these yield an attractive green with no stripes of unmixed components remaining visible.</p>								
APPLICATION	<p>Injection: Prepare cracks for filling using the normal ports and crack sealer. Inject through lower ports into cracks until excess material is ejected from a higher level. Seal ports as injection proceeds and ensure that the mass of concrete is heated to at least 150°F for at least 3 hours prior to service.</p> <p>Composites: Apply to the composite fabric using a brush or straight-edged spreader. Place the fabric on a horizontal surface covered with plastic sheet – it is helpful to initially prime the plastic sheet with CORRO-HEAT 206 in order to assist with saturation and to anchor the fabric to the surface. Once impregnated roll up the fabric and unwind onto the surface being reinforced, usually piping, taking care not to create bubbles or blisters. It is helpful to wrap the fresh resin and fabric with plastic “stricture” wrap in order to prevent draining of the resin and to create as dense a composite as possible.</p> <p>Allow to cure until hardened then remove the stricture wrap and elevate temperature to at least 150°F for a minimum of three hours to properly cure the resin. In order to achieve a glass transition temperature of 147°C/297°F a further two hours of heating to 150°C/302°F is required.</p>								
SHIPPING DATA	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Proper Shipping Name:</td> <td>Epoxy Base: Resinous compound, Not Regulated Curing Agent: Isophoronediamine mixture</td> </tr> <tr> <td>Hazard Class:</td> <td>Part A: Not Regulated (USDOT / IATA / IMO) Part B: Hazard Class 8, Corrosive, PGIII</td> </tr> <tr> <td>Flash Point SETA:</td> <td>Part A: >200°F Part B: >200°F</td> </tr> <tr> <td>UN No:</td> <td>UN 2289</td> </tr> </table>	Proper Shipping Name:	Epoxy Base: Resinous compound, Not Regulated Curing Agent: Isophoronediamine mixture	Hazard Class:	Part A: Not Regulated (USDOT / IATA / IMO) Part B: Hazard Class 8, Corrosive, PGIII	Flash Point SETA:	Part A: >200°F Part B: >200°F	UN No:	UN 2289
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MANUFACTURED BY	Thin Film Technology, Inc of Houston, Texas, USA								

SAFETY : This is a hazardous material if misused. Read and understand the Material Safety Data Sheet (MSDS) before use.
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**For : Corroserv (M) Sdn Bhd, A-25 1st Floor, Jalan IM 3/11,
 Bandar Indera Mahkota, 25200 Kuantan, Pahang, West Malaysia
 Tel : 609-5735623 (3 lines) Fax : 609-5735562
 Email : admin@corroserv.com.my**