

HB914 ABC PRIMER

QUICK-CURE
EPOXY RESIN PIPE
REPAIR

PRODUCT DATA SHEET

HB914ABC is based on pure liquid epoxy polymers and proprietary polyamine resins modified with a complex organo-sulfur curing agent.

HB914ABC is formulated with *no* volatile solvents and is so completely tolerant of water that it may be applied to damp or wet surfaces yet still function well as a reinforcing seal coating. Applications may be made using brush or roller with no especial ventilation requirements. Odor during application is mild and characteristic of organo-sulfur resins.

HB914ABC is supplied as an equal volume mixture of blue epoxy base and yellow curing agent – upon mixing these components yield a green finished product.

RECOMMENDED USES

COMPOSITE CREATION: **HB914ABC** is designed for ease of use in the field. It is used to assure adhesion of field applied resin composites especially to steel surfaces.

TECHNICAL INFORMATION

COMPOSITION: Vehicle Type..... Epoxy/Polyamines/Mercaptans
Pigmentation..... Color and functional pigmentation
Solids by Volume..... 100%
Flash Point Over 212°F
VOC Essentially Zero

APPEARANCE: Gloss Matte when fully absorbed, unabsorbed is full gloss
Color..... Green

APPLICATION: Methods Brush, roller
Rec. Dry Film Thickness 16 mils
Rec. Wet Film Thickness..... 16 mils
Coverage, (theor.) 100 sq.ft./gallon
Induction Time Not Required – may be used immediately after mixing
Pot Life..... Approx. 10' @ 77°F, (25°C)
Dry Time – Dust Free 30 minutes @ 77°F, (25°C)
Dry Time - Service..... Apply composites immediately after application if required.

STORAGE: Shelf Life..... 24 months under normal storage conditions

TRANSPORTATION USDOT, IATA, & IMO “Non-Regulated”

APPLICATION NOTES

SURFACE PREPARATION:

STEEL: surfaces should be free from gross contamination such as debris, oil or grease which will interfere with adhesion. Water contamination is acceptable provided the surfaces are otherwise free from contamination. To prepare surfaces for the application of **HB914ABC** use mechanical methods such as abrasive blasting or abrasive discing which yield a cleaned surface with a profile of 1.0 – 4.5 mils to promote good adhesion. Wire brushing can work acceptably however it often polishes contamination without removing it.

MIXING PROCEDURE: **HB914ABC** is supplied in equal volume kits of comprising blue epoxy base and yellow curing agent packed in plastic jars. Pour the curing agent into the base and mix for about 2 minutes taking care to stir in all base material from the edges and base of the plastic jar, *unmixed material will never harden*. No induction or "sweat-in" time is required and the mixed material may be used immediately.

Pot life and reaction time is heavily dependent on temperature, as a general guide figure that each 18°F, (10°C), variation in temperature above or below 77°F, (25°C), will respectively halve or double the pot life and cure times.

APPLICATION: Brush or roller application is straightforward and requires no special technique.

CURING BEFORE SERVICE: **HB914ABC** will cure to a hard film within 2 hours and is suitable for handling and light service after this time, since the curing process is a chemical reaction which is independent of air the **HB914ABC** may be overcoated immediately after application with composite wrap without impairing hardening.

WE URGE YOU TO READ THE MATERIAL SAFETY DATA SHEET (MSDS) BEFORE USING PRODUCT AND TO CALL THIN FILM TECHNOLOGY, INC. AS NECESSARY FOR ADVICE OR INFORMATION BEFORE ANY ACTUAL OR CONTEMPLATED APPLICATION.



SAFETY: This is a hazardous material if misused. Read and understand the Material Safety Data Sheet (MSDS) before use.

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