

Wessex 200

SOLVENTED EPOXY

Technical
Data Sheet

DESCRIPTION

Wessex 200 is a two part solvent based epoxy, developed primarily for use as a sealer or primer, but having the application properties of a varnish. Due to the advantages associated with epoxy compositions Wessex 200 offers excellent protection from moisture and, once cured, provides a very tough but flexible coating. Furthermore, the epoxy system will air dry to a high gloss finish giving good chemical resistance and will withstand both impact and abrasion. Used as a sealer or primer, Wessex 200 provides an excellent base for polyurethane and acrylic paints. Wessex 200 will adhere successfully to a variety of substrates including wood, epoxy coated wood, reinforced plastics, steel and non-ferrous metals and is ideal for the coating of timber shuttering.

PREPARATION OF SURFACES

It is essential that the correct surface preparation is carried out before the first application of this solvented epoxy system.

EPOXY COATED WOOD

The substrate must be well sanded with 80 to 120 grit paper in order to achieve a good bond. Brush away sanding dust before coating.

METALS

All previous surface pretreatments should be removed, taking the surface back to bare metal by abrading or grit blasting; the substrate should also be degreased. The use of an adhesion promoter is advised on non-ferrous metal substrates and specific information on a suitable preparation is available on request.

CONCRETE

Remove all loose concrete and any contamination by wire brushing and acid etch with a dilute hydrochloric acid solution. Subsequently wash with fresh water and then thoroughly dry the surface.

WOOD

The timber surface must be clean and dry and it is recommended that the wood is well sanded with 120 grit paper. Ensure that the sanding dust is cleaned away and, if necessary, degrease oily wood with a solvent.

GRP

The surface should be mechanically abraded and thoroughly degreased. Wipe off all dust.

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MIXING INSTRUCTIONS

Mix the resin and hardener to the specified proportions - 2 parts by volume of resin : 1 part by volume of hardener. Stir well until a homogeneous mix is obtained and allow to stand for 15 minutes before using.

APPLICATION

This epoxy sealer can be applied by either brush, roller or spray. When spraying, reduce the viscosity of the composition with up to 20% Wessex 200 thinners, dependent upon the type of gun which is being used. Apply subsequent coats within 24 hours of previous application. Do not apply this epoxy system below 5°C. Clean brushes and all tools with Wessex 200 thinners immediately after use.

Wessex 200 covers approximately 9 square metres per litre of mix. Two or four coats are considered adequate. It is essential to prepare the surfaces before application of the varnish and they must be sanded, free from oil and grease and all other contaminants and moisture.

TECHNICAL DATA

Shelf Life:	12 months @ 20°C
Storage Conditions:	Store in dry conditions away from heat, naked flames or sparks

MIX PROPERTIES

Wessex 200 resin, Part A:	2 parts by volume
Wessex 200 hardener, Part B:	1 part by volume
Pot Life @ 15-18°C:	Between 35 and 45 minutes
Tack-free time @ 15-18°C:	Between 4 and 6 hours
Drying time @ 15°C:	10 to 12 hours
Full cure:	7 days
Water resistance:	Excellent
Chemical Resistance:	Good
Oil & Fuel Resistance:	Good
Resin Viscosity @ 22°C	33.0 mPas
Hardener Viscosity @ 22°C	240 mPas
Mixed Viscosity @ 22°C	75.0 mPas
Mixed Viscosities with addition of Wessex 200 Thinners (% by vol.) @ 22°C	
2.4%	67.0 mPas
4.8%	61.9 mPas
7.2%	59.6 mPas
9.5%	54.5 mPas
14.3%	45.6 mPas

HEALTH & SAFETY PRECAUTIONS

Wessex 200 contains flammable solvents and due precautions must be taken against all means of ignition. Avoid inhaling vapours which are harmful when taken internally. Please refer to product Material Safety Data Sheets before using. All epoxy systems separately or after mixing are capable of irritating the unprotected skin and in extreme cases dermatitis may be caused. To avoid this, wear suitable chemically resistant gloves. Other protective clothing of the right type should be worn by workers repeatedly handling epoxide resins and hardeners. Workers should maintain the highest standards of personal cleanliness, removing any resin or hardener from the skin as soon as possible and certainly before the hardening process has

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made it insoluble. This should be done with WEST SYSTEM® Resin Removing Cream or a similar material and subsequent washing with soap and water with the provision of disposable paper towels.

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