



FEDERAL INDUSTRIAL LININGS

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TECHNICAL DATA SHEET

FEDCOAT - SKWB

DESCRIPTION

FedCoat - SKWB is a two component water based epoxy coating with a semi-gloss finish. It is an abrasion resistant low VOC, non-toxic, solvent free epoxy coating specially designed to be used in environmentally sensitive areas. It can be used as a mid coat or final coat in atmospheric conditions.
FedCoat - SKWB can be applied to concrete & metal substrates.

PRINCIPLE USES

FedCoat - SKWB is intended as a coating for concrete & metal substrates where environmental sensitivity is challenging. It offers good corrosion protection as well as wear & abrasion resistance.

PERFORMANCE DATA

Description

Results

Pot Life (Minutes)	20 min (25°C)
Mix Ratio	4 : 1 (by volume)
VOC's	49.4 g/ltr
Touch Dry (Hours) @ 25°C	4 hrs
Open Time / Over Coating Time @ 25°C	6 - 12 hrs
Hard Dry (Hours) @ 25°C	24 hrs
Walk on Dry (Hours) @ 25°C	30 hrs
Full Cure @ 25°C	7 days
Kit Size	5lt / 25lt kits
Volume Solids	64% (+-2)
Theoretical Coverage (m ²)	6m ² p/ltr @120µm DFT Depends on wastage & surface profile
Indicated WFT / DFT	190µm / 120µm
Service Temperature	Atmospheric 60°C
Shelf Life	24 months

ADVANTAGES

- Low viscosity – easily applied by brush (stripe coating only), & airless spray
- Good corrosion protection
- Good abrasion resistance
- Can be used in environmentally sensitive areas
- Water based – easy to work with

SURFACE PREPARATION

Mechanical preparation of the substrate is important before application of **FedCoat - SKWB**. The substrate should be structurally sound and free of oil, dust and debris, grease, paint, corrosion deposits, laitance or other surface deposits. Metal surfaces should be prepared by sandblasting to Sa2.5 or cleaning to a minimum standard of St 3 (ISO 8501-1) cleaning if grit or sandblasting is not possible, prior to priming with a suitable primer. Suitable metal primers are available from Federal Industrial Linings upon request.

Concrete surfaces should be mechanically abraded or sweep blasted to remove laitance and ensure a sufficiently rough profile. **FedCoat – SKWB** can be applied directly to uncured or moist/damp concrete.

MIXING

Premix base (Part A) and shake hardener (Part B) to disperse any settlement. Add all of Part B to part A and mix using a mixer with a mixing paddle at medium speed for 2-3 minutes until both components have fully dispersed and is homogenous. Ensure to rotate the mixer inside the container and into the corners of the container.

A max of 5% water is advised only if required. Only mix full packs.

APPLICATION

Apply **FedCoat - SKWB** to the recommended thickness (190µm WFT / 120µm DFT per coat) using an airless sprayer or brushes (for stripe coating only) to a cleaned, and prepared surface. A written specification always supersedes any application guideline. Do not exceed 350µm WFT per coat as it will result in “mud cracking” as it dries.

Apply subsequent coats within 6 to 12 hours after application. Should the over coating time be exceeded roughen the surface & wash the coating off with high pressure fresh water or solvent wipe to remove any surface salts prior to over coating.

CLEANING

Clean hands and skin immediately after use with industrial hand cleaner.

Clean tools and equipment immediately after use with water.

LIMITATIONS

- Application temperatures between 5°C and 40°C.
- Max service temperature is 60°C dry
- Avoid excessive application.
- Avoid contact with skin.
- Do not release into sewer or surface water.

STORAGE AND STABILITY

Both **FedCoat - SKWB** Part A and Part B have a shelf life of 24 months when stored in unopened containers in a cool, dry place. Failure to do so will result in a reduction of shelf life.

SAFETY AND HANDLING

FedCoat - SKWB contains chemicals. Use only with adequate ventilation. Avoid breathing of vapours and prolonged or repeated skin contact. Protective clothing and gloves should be worn when handling this product.

All sources of ignition should be removed. If exposed, eyes should be well flushed with water for 15 minutes and medical attention must be sought instantly.

This product is for professional use only. The applicators and operators must be trained, experienced and have the ability and equipment to apply the coatings correctly and according to specification. Applicators and operators must use the appropriate PPE when using this product. The safety procedures applicable to the handling of chemical materials should be read, understood and rigidly adhered to.

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