



RCB Application Instructions p. 1

Applications Available

Exterior Walls	Sound Walls
Interior Walls	Metal Roofs
Interior Ceilings	Industrial Metal Roofs
Mobile Home Exteriors	Shingle Ply Roofs
Mobile Home Interiors	Flat Roofs
Air Conditioning Ducts	Built Up Roofs
Heating Ducts	Wood Structures
Steam Pipes	Boilers

Cleaning: The key to any successful coating or paint application is a clean, dry surface to bond to. It is recommended that the roof or duct surface be cleaned thoroughly with a cleaner such as TSP (Trisodium Phosphate) according to its package instructions. Agitate with a push broom or scrub brush to remove dirt, loose materials, droppings, etc. Pressure wash with water and allow to dry thoroughly. Make sure all cracks and holes are dry so that water will not wick up into the coating under surfaces when applied. Use only cleaning methods suitable for the substrate you are cleaning.

Repairing: Repair roof and wall surfaces appropriately for the surface to be coated. For metal roofs, check and/or replace roofing screws (use self-locking, rubber backed screws). For composite or asphalt roof, removed peeled or flaking material, fill any cracks larger than 1/16" width with roofing tar, feather cement or other sealing compound appropriate for the surface material. Over large gaps and seams, use polyester mesh strips to prevent future cracking (fill crack and coat the surrounding area, lay mesh strip into the wet material, then recoat to seal mesh inside.)

Ponding areas must be properly repaired to assure maximum longevity. Raise level by hammering out metal roof dents or filling the area with a bonding coat or feather cement (tear out damaged roof section as required).

Priming: In most cases, priming the entire surface is not required prior to applying RCB. In certain circumstances or in spot areas, it is recommended for preventing rust bleed-through, waterproofing and additional longevity.

For metal roofs- wire brush and/or sand down rust spots. Prime with high quality metal primer appropriate for the surface involved.

For asphalt rolled roofs- test surface for dryness by rubbing hand across surface. If the sand comes off easily, it is too dried out and should be rejuvenated to restore its flexibility and oils content.



RCB Application Instructions p. 2

New Concrete, Concrete, Cement Block or Stucco - should be allowed to cure thoroughly. Clean and pressure wash to help lower the pH value in the surface. It is recommended to get the pH level around 7.0. You can obtain a Ph test kit at paint stores. Prime with **INNERSEAL DPS**. INNERSEAL DPS will increase bond strength and eliminate failure due to moisture and alkali attack. See separate tech data sheet and application instructions for INNERSEAL DPS

Application- After proper surface repair, preparation and priming as necessary make sure the surface has dried completely. Application should begin when you expect at least **3 days without precipitation** where the **temperature will remain above 40° F** at least **48 hours after applying**. If precipitation, extreme humidity or condensation occurs within 24-36 hours after coating, allow to dry and inspect for any resins which may have risen to the top of the coating. If resins are visible (surface remains somewhat slimy), re-coat lightly with additional RCB. Light precipitation or condensation after 36 hours should pose no problem to the finish.

RCB should be applied in **two coats**. The final DFT (Dry Film Thickness) of the finished application should be **no less than 15 mils** to provide adequate waterproofing and energy savings. Surfaces which will see **unusual water runoff** or are in poorer condition should use **at least 18 mils DFT** to assure proper sealing and longevity.

Expect the following coverage rates for the finished coating.

Surface To Be Coated

Stucco, Brick, or rough porous surfaces	80 and up Sq. Ft. per gallon
Asphalt, roofing, wood medium surfaces	80 and up Sq. Ft. per gallon
Previously painted, smoother surfaces	150-250 Sq. Ft. per gallon
Metal & aluminum roof & walls, ducting	150-250 Sq. Ft. per gallon

Equipment- **RCB** can be applied with a brush, roller, or specialized sprayer. Traditional painting techniques are all that is required for application. **RCB** will apply similar to latex paint. It is up to the applicator to properly apply **RCB**.

Note: Do **not** strain or filter **RCB**. This could remove some of the ceramics from **RCB**.

Also Note: **DO NOT THIN WITH WATER.**

For thin areas, it's worth extra expense for higher quality brushes that won't leave bristles behind. Short or medium knap rollers are preferred for a smoother finish. Heavier knap rollers can hold more material but may have more of a tendency to slide or smear more. Between coats, store brushes and rollers in sealed plastic bags to prevent them from drying out. They will be okay for up to 10 days.

Note: Automatic feed power rollers are **NOT** useable because the roller cloth strains the ceramics out.

Spray Equipment may save time on larger jobs. Applicators may utilize heavy-duty airless, mastic or elastomeric spray rings. Consult the manual or rental company as to which filters to remove (RCB should **not**



RCB Application Instructions p. 3

be filtered or strained through a sprayer) and do **not** thin. Use a nozzle that suits your experience and preference for elastomeric products. **RCB** will apply better at room temperature or above.

Contact your Wakefield distributor or Wakefield Manufacturing for special requirements!

Contact information:

mark@wakefieldmfg.com

Phone: 615-566-3065