



Comonex WR Primer and Comonex WR Filler

SIKCWP

SIKCWR

A timber repair system, consisting of an adhesion promoting two-pack primer and a two pack filler, for re-fabricating damaged or decayed timber substrates. Can be used to fill large surface defects.

Benefits

- Filler is solvent free and low odour
- Good shaping properties; can be abraded, sawn, planed or drilled
- Excellent adhesion to sound timber
- Will not shrink or swell on application or drying
- Recoatable with solvent-borne and water-borne coatings
- Can be applied at low ambient temperatures

Comonex WR Primer

PROPERTIES

Composition	Urethane/acrylic based
Pot Life Once Mixed	75 minutes at 20°C and 2 hours at 10°C (at higher temperatures the time will be reduced).
Curing Time	2 hours at 20°C (5 hours at 10°C)
Note:	Apply Comonex WR Primer by brush to repair area and allow to penetrate timber surface for 10 minutes. Comonex WR Filler should be applied before Comonex WR Primer has dried.
Volume Solids	92% by volume
Flammability	Component A: >100°C Component B: 49°C

Comonex WR Filler

PROPERTIES

Composition	Urethane/acrylic based.
Pot Life Once Mixed	45 minutes at 20°C and 90 minutes at 10°C (at higher temperatures the time will be reduced).
Curing Time	Full cure: 3 hours at 20°C (6 hours at 10°C)
Coatable	Once the filler has cured
Note:	Times quoted are dependent upon layer thickness and actual temperature at the time of application. For optimum performance ensure that the filler components are brought up to normal room temperature prior to use.
Volume Solids	Approx 100%
Flammability	>100°C for both components

Preparation

Timber surface must be in a clean, dry condition, free from dust, dirt, wax, grease and surface moisture. The moisture content of timber must not exceed 16%

All timber exhibiting signs of decay must be removed and cut back at least 2.5cm into sound material. Areas of wet timber must be allowed to dry fully. For timbers deemed to be Durability Class 4 (slightly durable) or Class 5 (not durable), reference EN 350-2: 1994, a preservative pre-treatment with an approved brush applied preservative is recommended. Preservative pre-treatments must be fully dry before application of the **Comonex WR System**. Increased adhesion may be achieved by inserting clean non-ferrous nails or screws to just below the level of the finished surface prior to application of the **Comonex WR System**.

Failure to provide a suitable substrate may result in poor adhesion and thus poor performance of the repair.

Application Conditions

Avoid applying when there is a risk of rain or when temperature falls below 2°C or above 30°C.

Comonex WR Primer

APPLICATION

Mask off areas to be filled with tape, in order to avoid over-application onto surrounding areas. Mix only a sufficient amount for immediate requirement. Mix equal parts of component A and component B in a suitable clean plastic container. Mix to a homogeneous consistency. The mixed material should be applied by brush. Ensure that the primer is carefully applied to the area to be filled only.

Allow **Comonex WR Primer** to penetrate the timber surface for approximately 10 minutes, prior to the application of **Comonex WR Filler**.

Note:

Comonex WR Filler should be applied before **Comonex WR Primer** has dried.
Clean brushes and tools with cellulose thinners before primer is dry.

Componex WR Filler

APPLICATION

Note: For large repairs (in excess of 10cm³, approx volume of a golf ball) and all structural repairs **Componex WR Primer** should be applied to all bare timber prior to the application of **Componex WR Filler**.

Mix only a sufficient amount for immediate requirement. Mix equal parts of component A and component B on a suitable clean non-porous board. This is easily achieved by draining down equal lengths of each component onto a non-porous board. Mix to a homogeneous consistency using a clean filling knife. Mask off areas to be filled with tape to avoid smearing onto adjacent areas and so that a smooth finish is achieved. The mixed material should be applied with a filling knife, or a similar implement, and left sufficiently proud of the surface (the presence of the working tape ensures this) to allow for subsequent machining or sanding. Ensure that the filler is carefully forced into the area to be filled in order that the air is forced out and good contact is made between the filler and the primed timber.

Replacement sections of timber should be suitably preservative treated or naturally durable and fixed in place with **Componex WR Filler**. For large repairs, surround the replacement section with **Componex WR Filler**.

When filling large or deep sections and reforming corners, the use of formica or hard plastic sheeting as shuttering is recommended. Remove masking tape before allowing filler to cure.

Once fully cured, any excess filler should be removed using a sharp chisel and then sanded. Remove dust etc. by wiping surface with a cloth dampened with suitable solvent. Suitable respiratory protection should be worn while sanding.

Coating the Filler

Componex WR Filler can be over-coated once fully cured. The filler is easily over-coated with translucent and opaque finishes, however the natural colour may "grin" through some (less pigmented) translucent coatings. Careful "touching in" of the filler may be required to "bring forward" the colour to match the surrounding areas prior to the application of the final coat(s).

Always carry out a test application, especially when very accurate colour matching is of importance.

Cleaning Filling knives and spatulas can be cleaned with a dry cloth or hot water and liquid detergent solution, providing the material has not cured.

Compatibility **Componex WR Filler** may be over-coated with all of the Sikkens decorative coatings. Data sheets are available on all other Sikkens products. **Componex WR Filler** will be compatible with other similar products. For further advice on this refer to the manufacturers of such products, or contact us on the number below.

Maintenance **Componex WR Filler** forms a durable repair to all types of timber. In exterior locations the decorative/protective finish should be maintained in the usual way, as required. If the timber is left unprotected it may move excessively and this could result in a breakdown of the bond between the timber and the filler.

Storage The bottles and cartridges should always be resealed after use and stored in a cool dry place.

Packaging

Componex WR Primer: Components A and B are both supplied in 100ml bottles.

Componex WR Filler: Components A and B are both supplied in 290ml cartridges.

One pack of **Componex WR Primer** is intended for use with one pack of **Componex WR Filler**.

Health, Safety and Environmental issues

It is the policy of **AkzoNobel Group of Companies** to provide the highest standard of information and to this end, material safety data sheets covering every **AkzoNobel Group of Companies** product are supplied to our customers and are freely available to users on request.

The safety phrases on the container and Material Safety Data Sheet should be read before using the product.

General Information

Apply all products in accordance with BS 6150 : 2006 and BS 8000 - 12 : 1989.

Every care is taken to ensure that the information provided in this technical data sheet is accurate.

AkzoNobel Group of Companies is unable to guarantee results as we have no control over the conditions under which our products are applied.

For further help and information contact the **Technical Advice Centre on 0800 052 2121**. Before using this product ensure that you have the latest information available.

Date

February 2009