PROBLEM

Waterproofing your shower

SOLUTION

Cemflex®

What you will need to waterproof your shower

- Cemflex – is available in 1 / 5 / 25ℓ containers
- Cemflex membrane – be sure that you know the area that needs to be covered
- Portland cement – the quantity is dependent on the area that needs to be waterproofed
- Large paintbrush / Block brush
- Bucket to mix the product
- Gloves
- Mask (Optional)
- Spatular is required for small quantities and a mechanical mixer and paddle is recommended for quantities exceeding 5ℓ

WATERPROOFING SOLUTION

The most trusted solution to prevent any damp seeping through your shower walls and floors is to waterproof your shower with Sika's universal waterproofer and bonding agent, Cemflex. Cemflex mixed with Portland cement and water forms an effective waterproofing slurry that is used in conjunction with the Cemflex membrane. Cemflex can also be applied to waterproof Reservoirs, Balconies, Verandas, Fish Ponds and Retaining Walls.

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Step 1

Ensure that the shower walls and floor are bare plaster and free of any dust or loose material. The walls and floors can be cleaned using a wire brush.

Step 2

Precut manageable pieces of Cemflex membrane for the required area.

In order to prepare the waterproofing slurry, you will need to mix 1 litre of Cemflex, 1 litre of water and 3.4 kg of Portland cement, which will yield 3,2 litres of waterproofing slurry that will cover an area of 1m² (with membrane). A basic guideline:

	Unit	Mixing Ratio			
Cemflex	Litres	1,0	5,0	14,7	25,0
Water	Litres	1,0	5,0	14,7	25,0
Portland cement	Kgs	3,4	17,0	50,0	85,0
Yield	Litres	3,2	16,0	47,0	80,0

Refer to the Cemflex packaging for mixing instructions. First mix the required amount of Cemflex and water and then add the correct amount of Portland cement slowly, while mixing, to avoid any formation of lumps. You will now have a Cemflex slurry that is ready to be applied.

Step 3

Dampen down the walls and floor that you will be applying the product to and make sure that there is no standing water. Ensure that the walls and floor are thoroughly saturated and while the surface is still damp apply a coat of the Cemflex slurry.

Dunk the Cemflex membrane in the Clemfex slurry until the membrane is fully saturated.

Remove the soaked membrane from the slurry and lightly squeeze before placing the Cemflex membrane over the damp substrate with your gloved hand, smoothing off with the brush to eliminate all air bubbles. Overlaps of adjacent fabric must be a minimum of 50mm.

Step 4

Once the entire area is covered and all the air bubbles have been removed, apply a generous coat of the slurry and allow to dry for 24 hours.

Step 5

After waiting 24 hours, mix a new batch of the Cemflex slurry and apply the final coat to the completed area. Allow the final coat to dry for 6 to 8 hours before applying tiles or painting the surface. Freshly applied Cemflex should be protected from damp, condensation and water for at least 12 hours.

For technical advice contact Sika (031 792 6500)
or download the technical datasheet from the website,
www.sika.co.za.

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