

WATERPROOFING CERTAINTY FOR BUILDERS

HOW TO CORRECTLY APPLY

Sika® BlackSeal® Elastic

THE BUILDER-FRIENDLY
BRUSH-ON WATERPROOFING

FAST DRYING · 50+ YEARS DURABILITY
BRANZ APPRAISED · ELASTIC, NOT BRITTLE



BUILDING TRUST



SIKA® BLACKSEAL® ELASTIC TOOLS NEEDED



- A bolster, hammer, grinder, rubbing block, a dusting brush, patching mortar, Sika BlackSeal-1 sealant and an applicator gun, masking tape, box cutter, spatulas, gloves, a good quality brush, clean water, a couple of buckets ... and a 20 litre pail of Sika BlackSeal Elastic
- **And remember to always wear your protective gear, including glasses and gloves.**

SIKA® BLACKSEAL® ELASTIC PREPARING THE WALL



- Like most building jobs, it's all in the prep. Take a bit of time to prep the wall properly and you'll have no problems.
- The first thing you need to do is get rid of any "dags" so you have got a good clean surface to seal on. Have a chat to your blocky beforehand so he leaves you with flush pointed mortar joints and no holes.
- Remove any waste mortar from the bottom to expose the footing as well.

SIKA® BLACKSEAL® ELASTIC PREPARING THE WALL



- Then smooth the blocks down with either a rubbing stone, or a piece of concrete block will do.



- You need a clean dust-free surface so next give the wall a brush down. Or if it's really dirty, wash it with clean water.

SIKA® BLACKSEAL® ELASTIC FLUSHING



- If there are any gaps in the mortar, you need to fill those in too - you want a smooth clean surface to work with.
- Put a bit of mortar mix on a spatula and press it into any gaps or holes you find. Remember if you don't take the time to do this prep properly, you won't get a watertight wall.



SIKA® BLACKSEAL® ELASTIC FLUSHING



- Once the holes have been filled, give it time to dry, then use your rubbing stone to smooth off the repaired areas.

SIKA® BLACKSEAL® ELASTIC FOOTINGS



- Now you've cleaned the wall, you need to make sure the footing is exposed.
- If the block work has been laid back from the edge of the footing as shown here, it's very important to install a triangular fillet of mortar to allow water to run off to the drain coil rather than pooling at the base of the blocks.



SIKA® BLACKSEAL® ELASTIC CORNERS & EDGES



- Wherever you have an external sharp corner, you need to knock that sharp edge off because just like paint, Sika BlackSeal Elastic won't seal properly over a sharp corner. You need to chamfer it and a grinder is the fast, easy way to do the job.
- Use the grinder to take any sharp edges off the footings too.



SIKA® BLACKSEAL® ELASTIC CORNERS & EDGES



- As a final touch, use your rubbing stone to knock any remaining sharp areas off, and then give the wall a final clean.



SIKA® BLACKSEAL® ELASTIC JOINTS & PIPES



- If your wall has a control joint, give it a clean out with the grinder to remove any dags and sharp edges, give it a quick brush, then insert a Sika PEF Backing Rod to fit snugly in the joint to a depth of at least 10 millimetres. This provides a solid base so the joint can be filled correctly.



- For a professional finish, mask off both sides of the control joint to keep the block work clean and tidy.

SIKA® BLACKSEAL® ELASTIC JOINTS & PIPES



- To seal the joint, use Sika BlackSeal-1. It's a bitumen based sealant specifically for sealing joints under Sika BlackSeal Elastic, or any other bitumen based products.
- Apply the sealant from the bottom up. Then work the sealant hard into the joint to fill any gaps and get the best adhesion. It's important to remove the masking tape immediately before a skin starts forming so you get a clean, smooth finish.



SIKA® BLACKSEAL® ELASTIC JOINTS & PIPES



- If you have a pipe protruding from the wall, it needs to be sealed off too. Fill the gap with a length of Sika PEF Backing Rod to a depth of at least 10 millimetres.
- Then apply a bead of Sika BlackSeal-1. Tool off the sealant immediately before a skin forms.



SIKA® BLACKSEAL® ELASTIC MIXING THE PRIMER



- Make sure you're wearing gloves from here on.
- Give Sika BlackSeal Elastic a good mix using a drill.
- The primer coat is simply a 50/50 mix of Sika BlackSeal Elastic and clean, fresh water. One part water into a clean spare bucket. Then one part Sika BlackSeal Elastic. Give it a good mix and you're ready.



SIKA® BLACKSEAL® ELASTIC PRIMER APPLICATION



- A good quality soft bristle brush is crucial to doing a good job.
- Apply the primer evenly, working it well into the pores of the block work and remembering not to leave any small un-primed areas.



SIKA® BLACKSEAL® ELASTIC APPLICATION, FIRST COAT



- It's a good idea to leave the lid on the pail when you're priming and between coats. This helps ensure the surface doesn't skin and it stays fluid and easy to apply.
- When you apply the first coat of Sika BlackSeal Elastic, make sure it is applied in a uniform criss-cross manner **then laying it off in a uniform horizontal direction as you go.**



SIKA® BLACKSEAL® ELASTIC APPLICATION, FIRST COAT



- The correct application rate is 2m² per litre per coat.
- Allow at least 4 hours for the first coat to dry. It's important the first coat is dry so don't rush things at this stage.



SIKA® BLACKSEAL® ELASTIC APPLICATION, SECOND COAT



- On the second coat, apply it in the same criss-cross manner to ensure complete coverage (remember 2m^2 per litre per coat), **but this time lay it off in a uniform vertical direction as you go.**
- As it dries, it turns from a dark mushroom colour to its final solid black appearance.
- Wash out brush in clean water and it's ready for the next job.

SIKA® BLACKSEAL® ELASTIC PROTECTION SHEET APPLICATION



- Once the Sika BlackSeal Elastic has fully dried, and within 48 hours, you will need to protect it from UV exposure and any backfill damage, with Sika Protection Sheets.
- Make sure the dimples on the Sika Protection Sheets are facing in. This ensures any water will flow easily down to the drainage coil at the bottom. Trim the sheets to fit.



SIKA® BLACKSEAL® ELASTIC CORRECT DRAINAGE



- A minimum 100 mil diameter drainage coil must be installed at the base of the footing and covered with a geotextile fabric.
- The drain coil must have a minimum fall of 1 to 200 and discharge to an approved drainage outlet.
- Backfilling should be done with a suitable granular, free-draining material such as scoria.



EXCLUSIVE OFFER TO LBP'S FROM THE BUILDER-FRIENDLY BRUSH-ON WATERPROOFING

1) Watch the on-line "How to Apply" video
Either scan the code on this page or visit learnhow.sika.co.nz

2) Complete the short builder-friendly quiz
It's on that same web page

3) Fill in your details including your LBP number, and download a personalised, ready-to-print LBP-exclusive Sika Certificate
It will include your name and LBP number and is reassuring proof to your clients that you are 100% up to speed on below-ground, residential waterproofing.

