Smart Solutions
LEVEL 1 B-BBEE CONTRIBUTOR

RETROFIT SLAB FOR VALVE CHAMBER AND MANHOLES

Introduction

The Retrofit Slab is designed to make ease of replacement where existing square Chamber access already exist on site that needs to be secured. The size of the Retrofit Slab is 920mm x 920mm x 125mm thick with a Weight of ±200kg. The Slabs are supplied individually or 10 x pallet in a "Hash-Tag Stacked" format. This will allow the forklift arms to lift the Slab on the 40mm Wood and not the Slab.
The MD700 Cover is a non-metal, lockable manhole cover and frame and has a 700mm diameter clear opening.

Applications

The Vanstone Repair Coping is a quick and permanent solution for existing manholes where concrete slabs or lids have been vandalized or stolen. After installation the hole will be safe, accessible, and unlikely to be tampered with as there is no exposed metal parts.

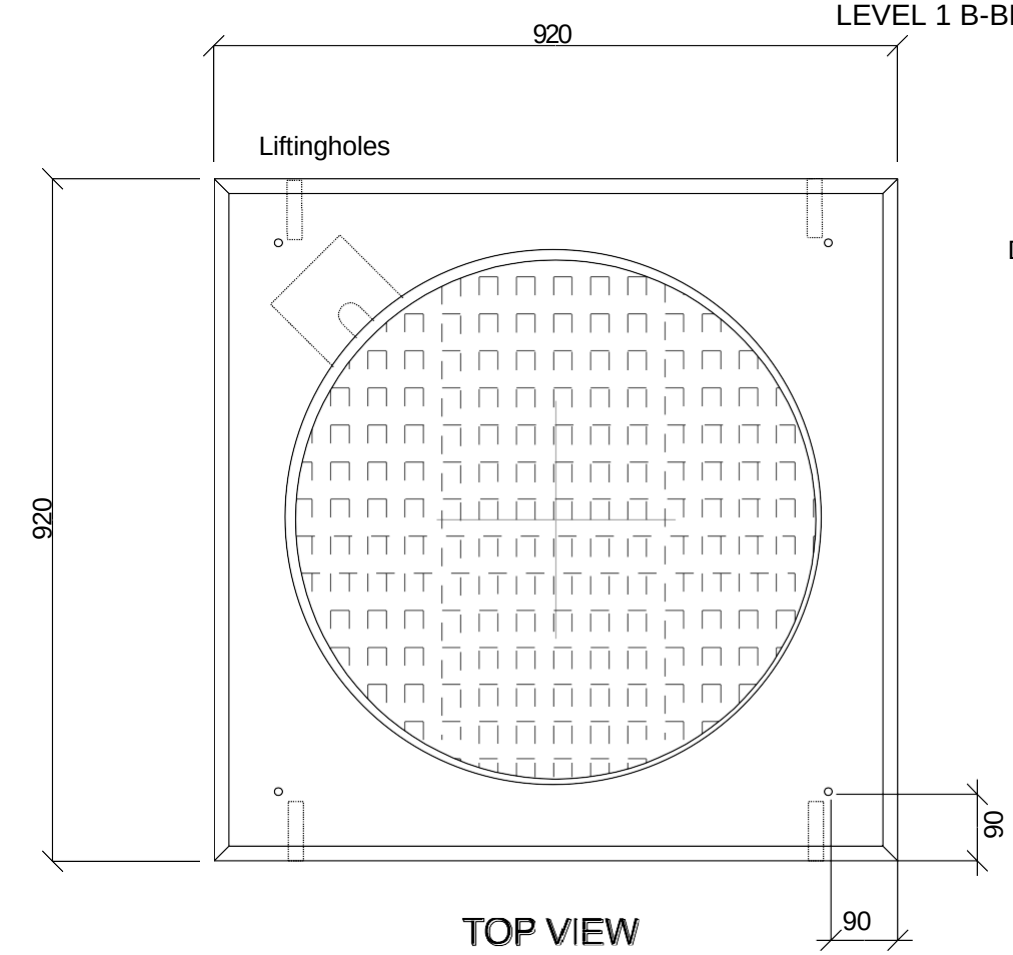




Specification

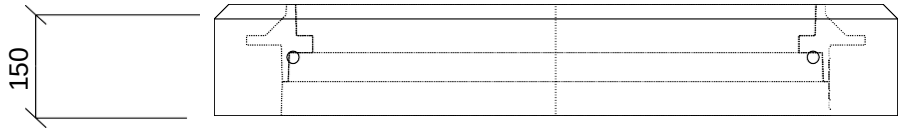
Concrete:	35Mpa 28 days strength
Size:	920mm x 920mm x 125mm +/- 200kg.
Size Packed:	10 x Slabs, 1000mm x 1000mm x 2500mm +/- 2100kg. "Hash-Tag stacked Format"
Reinforcing:	SANS 920
Design:	SANS 0100 The structural use of concrete.
Included:	4 x Y 12 fixing dowels
Optional:	Epoxy grout

Postal Address	Street Address	Contact Info		Company Information	
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1609	1459	Office	+27 010 448 4053	Directors	Michelle Scheepers



TOP VIEW

MD700Cover &Frame by SLL. Franecast in.



TYPICAL SECTION

FIXING PROCEDURE:

1. Place Coping in its final position on the existing concrete slab.
2. Use a hammer drill and Ø14 bit suitable for concrete. The bit must be at least 300mm long.
3. Drill through the 4 dowel holes that are in the coping and 100mm deep into the existing slab.
4. Use a short piece of flexibe tube 10mm - 12mm OD and thoroughly blow out each hole until clean.
5. Test each hole by inserting a test bar Y12 x 300 long into each hole. It must easily penetrate 225mm deep.
6. Fill one hole half full with an approved wet-to-dry epoxy adhesive. Follow manufacturer's instructions for mixing.
7. Place a Y12 x 200mm long dowel in the hole, making sure it ends up about 25mm under the surface. Epoxy should now be up to the top of the hole or spilling over somewhat.
8. Wipe off excess epoxy and finish flush with the surface.
9. Repeat for the remaing 3 holes.
10. Use non-shrink grout and fill any openings between the bottom of the new coping and the existing slab.
11. Tidy up and leave for 24 hours.

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