

## **SPECIFICATION FOR MKV SINGLE-CAST CONCRETE TOILET**

### **1. PREFABRICATED CONCRETE ELEMENT:**

#### **1.1. WORKMANSHIP AND FINISH IN GENERAL:**

Element shall be manufactured from sound concrete, free of structural defects, complying with any sample if previously submitted. Element shall have off-shutter finish on three sides, with the fourth side having a wood floated finish.

#### **1.3. PERFORMANCE REQUIREMENTS (STRENGTH):**

The required concrete compressive strength in all prefabricated elements shall be a minimum of 40 Mpa at 28 days, determined in accordance with SABS method 863.

#### **1.4. CURING:**

All concrete elements shall be cured in accordance with the recommendations given in SABS method 863.

#### **1.5. REINFORCEMENT:**

All steel used for reinforcements in prefabricated elements shall be high yield steel and shall be free of rust, loose scale, flux, grease or oil substances and shall in general comply with SABS 1024-1991. The opening will be reinforced with Y-10 steel bar.

#### **1.6. DIMENSIONS:**

Height:

External height tapers from 2100mm at the front to 1950mm at the rear of the unit.

Width:

External width tapers from 960mm at the front to 910mm at the rear of the unit.

Depth:

External depth measures 1100mm on the angle.

Thickness:

All walls will have a minimum thickness of 60mm.

Rear:

Rear shall have an opening to accommodate 110 PVC pipe.

## **2. ERECTION:**

- 2.1.** 1100x1000x100 foundation to be cast in-situ prior to the positioning of the unit. The toilet unit will be delivered and positioned on site using a truck with mounted crane.
- 2.2.** The sizes specified in par. 2.1 are for firm soils and it may be necessary to increase these sizes for softer yielding soils.
- 2.3.** Foundation shall be a minimum of 10 Mpa at 28 days.

## **3. DOOR:**

- 3.1** Plastic moulded door complete with lockable barrel bolt is fitted to the front of the unit using recessed holes in the roof and floor.

## **4. SANITARYWARE (OPTIONAL EXTRA):**

- 4.1** Plastic polymer pedestal with cistern.
- 4.2** Plumbing manifold with stopcock and tap cast in.

## **5.0 WASH TROUGH (OPTIONAL EXTRA):**

- 5.1** 580x490x380mm Concrete Wash Trough with 2x mounting holes to accommodate 10mm fixing bolts. The thickness of the wash trough wall will be 45mm.