

**REFINA**

# **SCHWAMMFIX POWER SPONGE**

## **User & Safety Instructions**

**SWM680**



**[www.refina.co.uk](http://www.refina.co.uk)**

## **SAFETY INSTRUCTIONS**

Do not use this machine unless it is in a safe condition

Conform to material or grout manufacturers recommended work methods and instructions; observe COSHH recommendations

Turn off machine before changing the sponge, undertaking any maintenance or cleaning

Wear dust masks, gloves, ear defenders and protective clothing as recommended by the material manufacturer

Hold machine firmly with both hands whilst in use

Do not put hands near sponge, water tub or any moving parts when in use

Do not wear loose clothing that could catch in the machine tool or sponge; keep long hair tied back

Do not use petrol power machines in enclosed or unventilated areas

Do not allow material to enter engine

Do not force the machine; let the sponge do the work

Work in straight lines turning machine will cause sponge to stretch unevenly

Turn machine off when emptying water container

## **APPLICATIONS**

Cleaning grout from floor tile surfaces

For cement and epoxy grouts

Quickly cleans grout from quarry tiles

Granite sets and paviors

Leaves uniform and strong joint

Machine finishing gives uniform joint finish

For external pavements and pedestrian areas

Saves up to 70% of grouting time and labour

Continuous sponge action leaves film free tiles

Greatly reduces grouting time

Mortar-film-free" cleaning. No washing of joints. Extremely time saving.

## **USE**

The Schwammfix 680P is a petrol engine powered continuous loop sponge cleaner

The Tile Power Sponges are designed for the removal of cementitious and epoxy grout from the surface of newly laid tiles. The sponge action gives uniform and strong joints and a film free surface

The machines drive a sponge band that cleans off the grout residue, passes through a water reservoir which washes the sponge and rollers to remove excess water

The machine can be used to clean granite sets, quarry tiles, external flag-stones and paving; and is ideal for external works and pedestrian areas.

## TECHNICAL

Machine	SWM680P
Sponge	360 x 44mm
Weight	80kg
Motor	petrol
Work rate	200m <sup>2</sup> /hr

## OPERATING PRINCIPLES

The Schwammfix machines are for cleaning cements and grouts from quarry tiles, external paviers, natural stone and granite sets

The grout is pumped or poured into the joints, the Schwammfix machine is used to pass over the newly grouted area and to sponge off the residue leaving a clean surface and compact joint

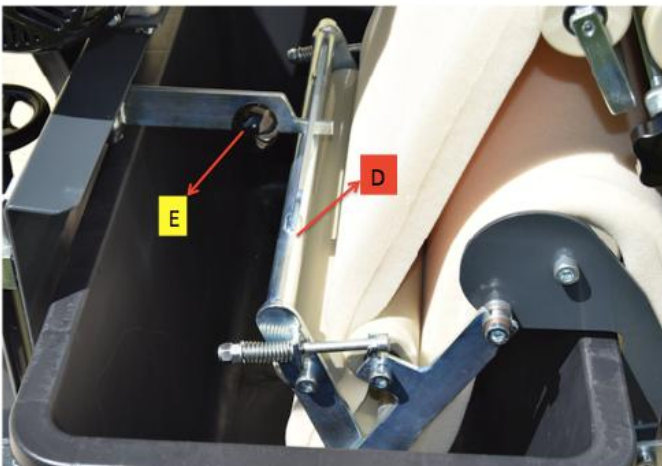
The machines will mechanically do the time consuming “hands and knees” job of removing cementitious and epoxy grout

The machines use a continuous sponge band that is fed through a water bucket and rollers; the excess sludge and water is squeezed out leaving the sponge clean to repeat the cycle

Finishing rates up to 200m<sup>2</sup>/hr.

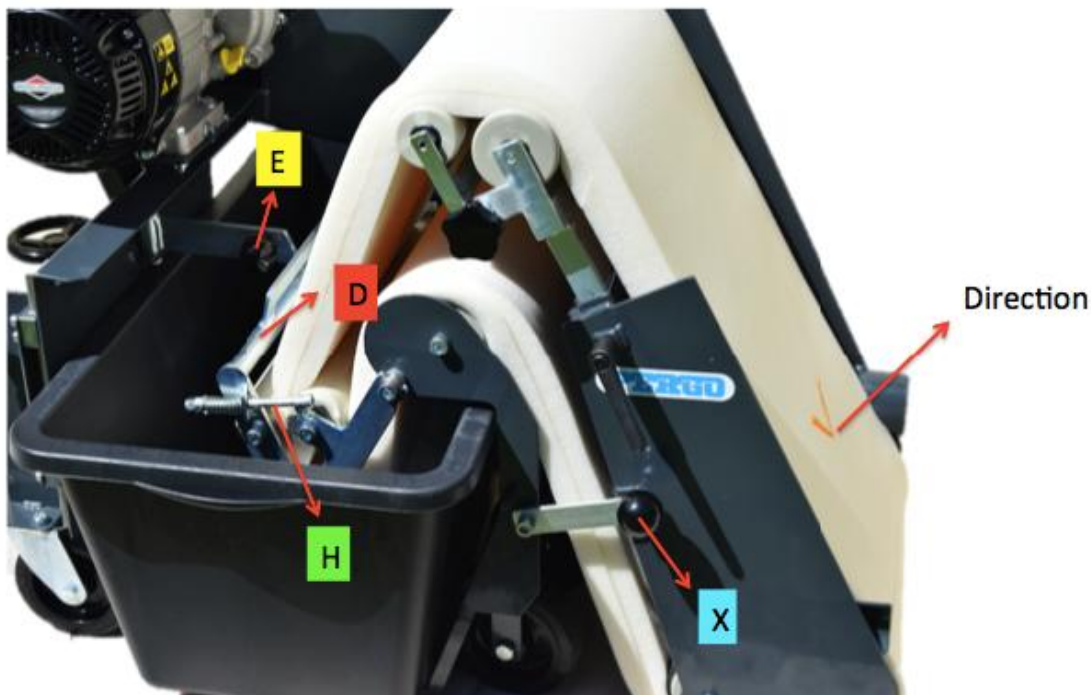
## CHANGING THE WATER BUCKET

1. Switch off engine
2. Press **D** down and move **E** to the right side
3. Lift the complete wringer pressure roller **D** up and click it into the holder
4. Then pull the water bucket on both sides out of the machine
5. Dispose of dirty water, clean bucket, refill with clean water up to 3½" from bottom. Do not overfill
6. Loosen pressure roller **D** from the holder
7. Press down pressure **D** and slew the pressure roller with the clamping pin **E** into the centre so you can tighten part **D**



## CHANGING THE SPONGE BELT

1. Ensure engine is turned off
2. Remove water container (see previous instructions)
3. Hang out pressure grouted springs **H** on both sides and take off the pressure roller **D**
4. Open knob **X** and remove the sponge belt at the right side
5. Replace sponge belt. Make sure tape direction is correct
6. Put the V-belt in the notches
7. Close knob **X**
8. Put the pressure roller **D** from the right side into the machine and inside the sponge belt and adjust it with the pressure-grouted springs **H**
9. Add the water bucket
10. Loosen pressure roller **D** from the holder
11. Press down pressure **D** and slew the pressure roller with the clamping pin **E** into the centre so you can tighten part **D**



## ADJUSTMENTS

Once a new sponge has been fitted it will need to be aligned

Start machine on slow revs. This will allow sponge to centralise.

If the sponge runs to the left or right it will need to be adjusted to do this.

Stop Engine

To adjust the sponge tension correctly, pull the sponge to one side, make adjustments by turning the star screw **G**, and opening lever **C**. Please allow the sponge tape to run through several times, as it takes some time to react

Run and test alignment. Repeat this operation until sponge runs central

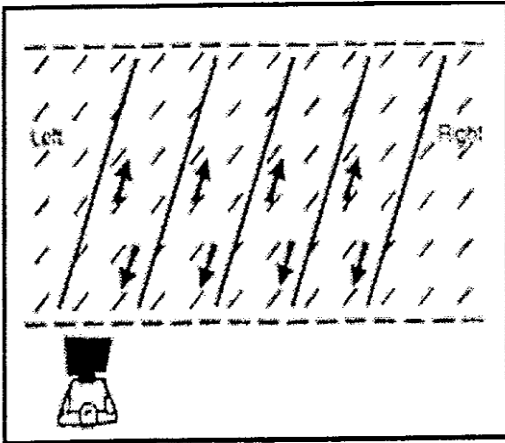


## PRESSURE ON THE PAVING SURFACE

The pressure the sponge puts on the ground can be adjusted by the hand wheel (under the handlebar). The pressure should not be too much on the surface, otherwise the sponge has a strong wear and the joints are heavily washed out.



## OPERATION TIPS



The machine is designed to be used from left to right. Start the job on the left side and move stroke by stroke to the right to enhance the machine's performance

Run the sponge belt several rounds through the water buckets to ensure water saturation of the sponge belt

Move machine diagonally to grout joints in long strokes, 6 to 8 feet, go from left to right

Forward motion pre-cleans and backward motion is the main clean.

If surface is uneven, lift machine slightly during backward motion to achieve an even clean

Make sure water is changed frequently to avoid foam build-up. If too much foam build-up is experienced a defoaming agent can be used.

Never run the sponge belt dry, as this may cause damage to the belt.

Do not expose the sponge belt to high temperatures or prolonged exposure to strong sun, as seam may split

During cold temperatures or after extensive use, the sponge belt may lengthen.

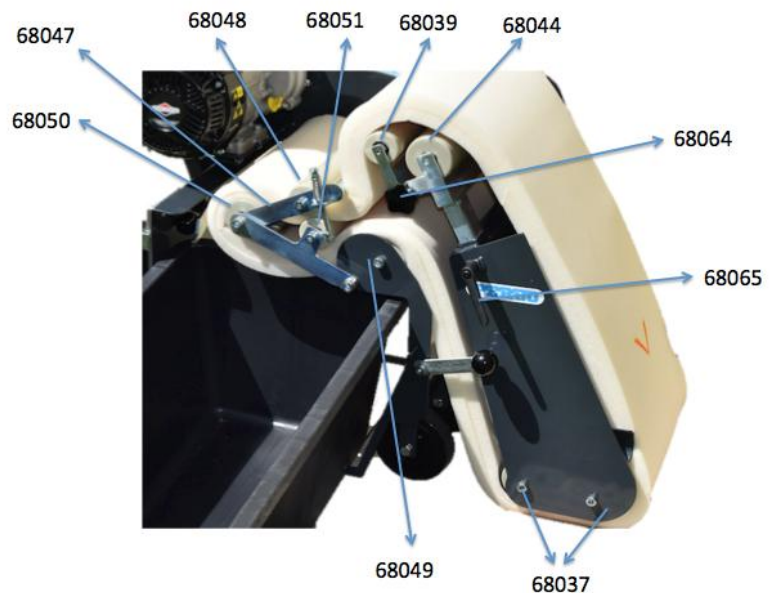
Do not push machine in forward motion too fast, as sponge belt could get damaged

Make sure the drive chain is greased frequently with lithium grease

Clean machine after each use

## PARTS LIST

68037	Front rollers	68068	Lock hanger
68035	Front wheels	68060	Bearing sledge
68051	Sponge squeezing roll machine side	68063	Swivel bracket
68067	Bullet	8546	Petrol engine
68050	Sponge deflection sheave water bucket	68043	Handlebar
68046	Steering of wheels at the back	68045	Grip
68047	Squeezing hanger	45998	Ball bearing 6000 2RS
68061	Lead bearing	45999	Ball bearing 6003 2RS
68069	Stellar screw	68031	Gears 11/ 32 teeth
68064	Tensioning and adjustment bracket	68036	Gear clasp
68065	Threaded pin with dowel pins	68033	Drive pinions 11 teeth
68044	Sponge tension roll	68030	Primary chain
68039	Sponge setting roll	68032	Secondary chain
68066	Mounting bracket	45554	Sponge belt
68048	Sponge squeezing roll	45503	Water bucket
68049	Sponge deflection sheave		



## **GUARANTEE**

Sponge machines are guaranteed one year for normal trade use

If it is used and maintained correctly, it will offer many years of use

Damage to the machine is not covered by the guarantee

Repairs will be chargeable if there is evidence of misuse

All repairs, service and maintenance should be carried out by an approved repair workshop

Contact REFINA technical and sales line 01202 632270 for either warranty, general repairs or service advice

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