



## **INSTRUCTIONS**

### **1-PREPARATION:**

Prepare the parts you want to treat by having them already dismantled and cleaned. The Blacking process will only work on clean iron and steel parts, so be sure to remove all traces of paint, under seal, corrosion, oil and grease. As with any finishing process, the end result reflects the standard of preparation.

### **2-SETTING UP:**

Establish a comfortable room temperature of about 20c before starting work. Performance of the blacking process maybe affected at temperatures below 15c. You will need several absorbent cloths and two buckets of water, or a running water supply, near to your work area. Put on your gloves and eye protection, Remove each 1 litre jerry can from its 2 litre tub, break the cap seal, and pour the entire contents into 2-litre tub. Keep each solution in its own jerry can and tub and do not mix them.

Arrange the tubs and water buckets in the following order:

**DEGREASER- WATER - BLACKING SOLUTION – WATER - DEWATERING OIL**

### **3-BLACKING PROCESS:**

Place the parts to be treated first in the tub of light Alkaline degreaser and leave submerged for 10 minutes. A slight agitation maybe necessary to release any trapped air bubbles and ensure proper contact of the liquid with the part. This will clean and Degrease the part thoroughly in readiness for the blacking process.

Next remove the part from the degreaser, drawing any excess liquid off over the tub and rinse in the Bucket or under flowing water for until clean. Shake or absorb any excess water off the parts before placing them next in the blacking solution. Again agitation maybe necessary to ensure even contact and finish. You will see the blacking process begin immediately upon Immersion. Leave the parts submerged for 3 to 4 minutes, but no longer than 5 minutes.

Remove the parts from the blacking solution, draining any excess liquid off over the tub, and rinse in the second bucket or under running water for one minute. Again, shake or absorb any excess water off the parts before placing them in the dewatering and leave the parts submerged for 10 minutes for steel and 20 minutes for cast iron, or longer if preferred remove the parts from the dewatering oil, drain and place out of the way to air dry. Do not wipe dry. The purpose of the dewatering oil is to displace the water from the process and to establish a protective anti-corrosive layer within the black coating. Wiping will reduce its effectiveness.

#### **4 –MAINTENANCE:**

When not in use, pour your chemical back into their 1 litre Container and store each one in its own 2 litre tub.If you are only leaving them for a short while, seal the tubs with the lids provided in order to prevent contamination and Evaporation. If the dewatering oil becomes contaminated with water, let it settle to the bottom of the tub, then gently decant the oil back into its jerry can and absorb the water from the bottom of the tub with a cloth. With repeated use and contamination your chemicals will eventually become less and less effective and will then need replenishment.

5 - Your newly blacked parts now have an attractive black finish which will resist corrosion and unlike plating or paint, has not altered the dimension of the parts treated.

#### **6-SAFETY GUIDE PLEASE READ THIS**

Your metal blacking kit is not highly dangerous to use but, as  
With any chemical product, you should maintain a healthy respect  
For its proper use and storage

Keep your kit well out of reach of children. The bright colours  
Will appear attractive to younger children, but they could be  
Seriously harmful if swallowed.  
Store the kit in a well ventilated place and do not allow to freeze.

Only use the metal blacking kit in a well-ventilated area to avoid inhalation  
of fumes, and always use suitable gloves and eye protection

**if you should experience contact with skin or eyes wash thoroughly with plenty of water.**

**Using the kit, particularly before handling food.**

**If swallowed follow the instructions on the label, do not induce vomiting, and seek medical advice immediately.**

**In case of spillage, absorb with clay granules or absorbent cloths  
Do not wash chemicals into public drains. Dispose of used or waste  
Chemicals in their original containers whenever possible.**

**Do not smoke or expose the dewatering oil to any source of Ignition. It is flammable. Always keep a serviceable c02, foam or Dry powder fire extinguisher to hand.**

**Due to the varied shapes and sizes of parts that you may want to treat with your metal blacking kit you might need to use Alternative containers to those provided. Remember that these Chemicals react with iron and steel so use only plastic Containers to hold them.**

**For more help and information please contact our office at:**

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