



Cream Instructions (Iron & Steel)

IMPORTANT!! Before using this kit please read all of the instructions and the Health and Safety sheets carefully.

The **BLACK-IT** process for Iron and Steel is very easy to carry out. The following describes the simple sequence of operations. To guarantee success it is necessary to follow the instructions in the order given.

All of the solutions in the kit are supplied at the correct strength and no further dilution is necessary. Do not mix any of the solutions together and always return them to their original bottles. Ideally, the solutions should be at room temperature (about 20 degrees Celsius).

SAFETY PRECAUTIONS

1. Read the Safety Data section.
2. Full H&S data sheets can be downloaded from the www.Black-it.co.uk website.
3. Always use rubber gloves and avoid contact with skin, eyes and clothing.
4. Eye protection is recommended.
5. Always carry out the process in a well ventilated area.
6. Do not smoke, eat or drink whilst processing.
7. Store in frost free area.
8. KEEP AWAY FROM CHILDREN

THE PROCESS

1. Ensure the surface to be treated is physically and chemically clean by removing all traces of oil and grease using the Alkaline Degreaser. If the item is in-situ or not possible to immerse then use a J cloth dipped in the Degreaser. Take care with splashing and always use rubber gloves and glasses.
2. Rinse the surface with water and leave wet.
3. Apply the Black-It Cream direct to the wet surface; work the cream gently and then leave for 5 – 10 minutes. **Note:** If the cream has separated then stir gently and allow to rest before use.
4. Wipe the surface with a damp cloth or wash with water.
5. Repeat the application if the black finish is uneven.
6. Once the finish is satisfactory remove all traces of the cream, rinse and lightly dry with a cloth.
7. To ensure long term protection against corrosion the surface should be treated with Dewatering Oil. If the item is in-situ or not possible to immerse then use a clean rag dipped in the oil and wipe over all treated surfaces. Leave to air dry and then wipe off any excess.

Maintaining your **BLACK-IT** kit

The factor which governs the rate at which the solutions and cream are consumed is the surface area treated. The following comments will help you maintain the kit to full effectiveness. All of the solutions are available separately so you need only buy what you need.

1. Degreasing Solution.

This is a mild alkaline solution. Examine the parts as you remove them from this solution. The parts should be wet all over. If there are any dry patches then place in the solution for another 5 minutes. If parts are taking a long time to clean or the solution appears to be dirty then it probably needs replacing.

3. Blacking Cream.

If the cream begins to separate in storage then stir gently and allow to rest before use. Always keep the lid on when not in use to prevent evaporation.

4. Dewatering Oil.

This solution is designed to replace water with oil on the surface of the metal. The water removed will collect at the bottom of the bottle. **CAREFULLY** decant off the Dewatering Oil from the water and dispose of the water. The solution also has volatile components so return to the bottle and cap as soon as you are finished with it. As this solution degrades you will see streaks on the surface and a discolouring rust film will form quite quickly. Again, replace the solution when it's effectiveness is in question.

BRIEF PRODUCT SAFETY GUIDE

NOTE: These are brief extracts of the major points from the full H&S data sheets which are always available on our website: www.black-it.co.uk We recommend that you download and read the full H&S sheets.

ALKALINE DEGREASER

IRRITANT - AVOID CONTACT WITH SKIN AND EYES. WEAR PVC GLOVES AND EYE PROTECTION

FIRST AID MEASURES:

| | |
|-------------|--|
| Skin: | Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. |
| Eyes: | Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination. |
| Ingestion: | Wash out mouth with water. If conscious, give half a litre of water to drink immediately. Consult a doctor. |
| Inhalation: | Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor. |

SPILLAGE : If small, wash down with large amounts of water. For larger spillages, absorb in dry earth or sand. Transfer to labelled salvage container for disposal.

WASTE DISPOSAL: Transfer to a suitable container and arrange for collection by specialised disposal company.

WASTE CODE NUMBER: 12 03 01

BLACKING CREAM

HARMFUL BY INHALATION AND IF SWALLOWED. WEAR PVC GLOVES

FIRST AID PROCEDURES:

| | |
|-------------|--|
| Skin: | Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. |
| Eyes: | Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination. |
| Ingestion: | Wash out mouth with water. Give 1 cup of water to drink every 10 minutes. Consult a doctor. |
| Inhalation: | Remove casualty from exposure ensuring one's own safety whilst doing so. |

SPILLAGE : If small, wash down with large amounts of water.
For larger spillages, absorb cream in dry earth or sand.
Transfer to labelled salvage container for disposal.

WASTE DISPOSAL: Transfer to a suitable container and arrange for collection by specialised disposal company.

WASTE CODE NUMBER: 11 01 98

DEWATERING OIL

FLAMMABLE - DO NOT SMOKE. DO NOT USE NEAR SOURCES OF IGNITION.
AVOID CONTACT WITH SKIN. AVOID BREATHING VAPOUR.

FIRST AID PROCEDURES:

| | |
|-------------|--|
| Skin: | Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor. |
| Eyes: | Bathe the eye with running water for 15 minutes. Consult a doctor. |
| Ingestion: | Wash out mouth with water. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible. |
| Inhalation: | Remove casualty from exposure ensuring one's own safety whilst doing so. |

SPILLAGE: Do not smoke. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

WASTE DISPOSAL: Transfer to a suitable container and arrange for collection by specialised disposal company.

WASTE CODE NUMBER: 13 08 99

ENVIRONMENTAL PRECAUTIONS: Do not discharge into drains or rivers.

EXTINGUISHING MEDIA: Water. Dry chemical powder. Alcohol resistant foam.

Further information: **Pixel-Plus, Ty Mawr, Bryncroes, Pwllheli, Gwynedd. LL53 8EH.**
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