

ESAB BigBag for submerged arc welding fluxes

MOISTURE PROTECTION AND PRODUCTIVITY



The new BigBag with aluminium lining ...



ESAB BigBags are ready prepared to be opened without the use of tools. Any required volume of flux can be taken out using the re-closable discharge spout. Note the internal aluminium lining that protects against moisture absorption.

ESAB BigBag is a 1000 kg bulk package for the efficient handling of high quality submerged arc welding fluxes. It can be placed over the flux hopper by crane or in a frame and can be quickly discharged when a refill of the hopper becomes necessary.

In the as-delivered condition, the discharge spout of the BigBag is thermally sealed. It is easy to open without the use of knives, scissors or other tools. Clear instructions with pictograms are on every bag.

- **No moisture absorption**
- **Possibility to use flux without re-drying**
- **Efficient flux handling**
- **Easy to open and close**
- **Fully recyclable packaging**

Although it takes only about 1 minute to empty a complete BigBag, small or large volume users can choose to take out any volume of flux at a time by closing the well-defined discharge spout during the flux flow. In this way, valuable time savings can be obtained compared with refilling from 20-30 kg flux bags or buckets.

Another important saving lies in the protection of the flux from moisture absorption. BigBags are made from strong woven polypropylene material that has an internal multi-layered aluminium lining, keeping the flux "factory dry".

Fabricators may decide to use the flux without time consuming and costly re-drying, even in hot and humid environments. In addition, each pallet of



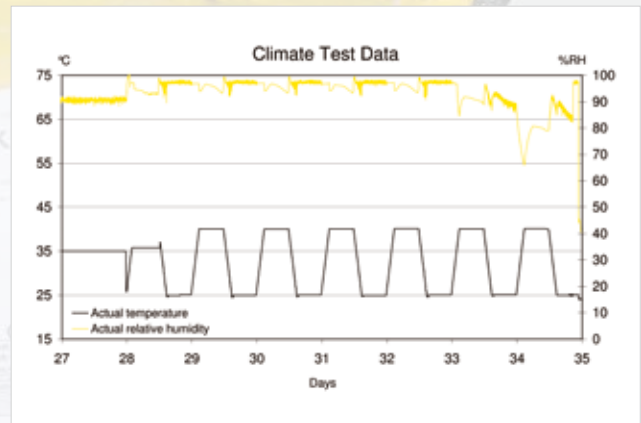
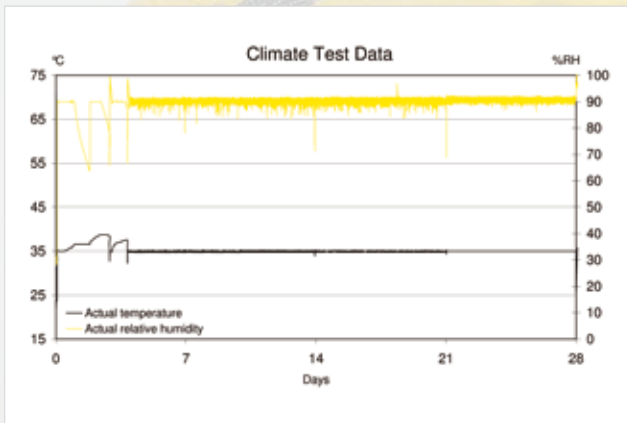
Disposal instructions are given on a sticker located near the flux label.

flux is additionally protected against moisture by wrap or shrink foil.

The complete empty BigBag, including the aluminium liner is disposed as combustible energy recycling material, according to EN 13431.

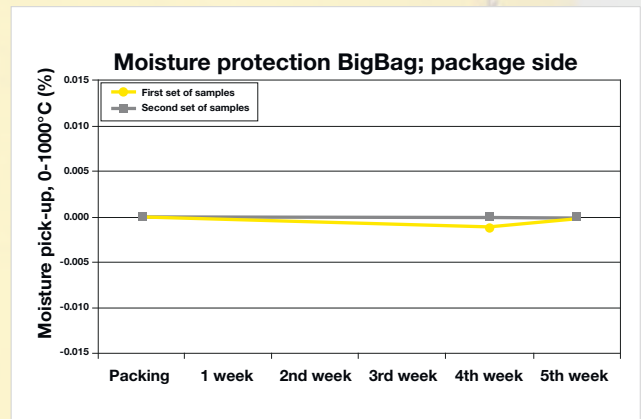
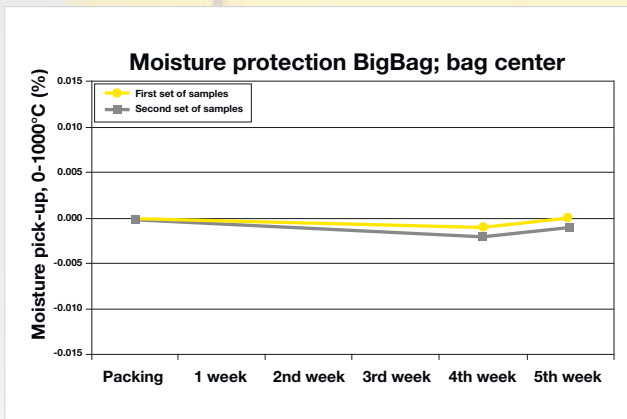
... no moisture absorption

Full protection from moisture absorption



The moisture protection of fully filled BigBags was tested in a climate chamber for 5 weeks. The climate conditions in week 1 to 4 were 35°C / 90% relative humidity, corresponding to average tropical conditions. In week 5, the dew point was artificially reached once a day and droplets appeared on the outer packaging.

Two sets of flux samples for moisture testing were taken from the centre of the BigBag and two sets from the side. The diagrams below show that no measurable moisture absorption takes place. The diffusible weld metal hydrogen content remains at the as manufactured level.



World leader in welding and cutting technology and systems.



ESAB BigBags are designed for easy transport and handling in industrial segments such as wind tower manufacturing, pipe mills, general construction and pressure vessel fabrication.

ESAB operates at the forefront of welding and cutting technology. Over one hundred years of continuous improvement in products and processes enables us to meet the challenges of technological advance in every sector in which we operate..

Quality and environment standards

Quality, the environment and safety are three key areas of focus. ESAB is one of few international companies to have achieved the ISO 14001 and OHSAS 18001 standards in Environmental, Health

and Safety Management Systems across all our global manufacturing facilities.

At ESAB, quality is an ongoing process that is at the heart of all our production processes and facilities worldwide.

Multinational manufacturing, local representation and an international network of independent distributors brings the benefits of ESAB quality and unrivalled expertise in materials and processes within reach of all our customers, wherever they are located.

ESAB Sales and Support Offices worldwide



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