

TECHNICAL DATA

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THIS CHEMICAL IS
FORMULATED FOR

WARNING INDUSTRIAL USE ONLY

Contact with skin or clothing or other improper handling or use of this product may result in bodily harm or other damage. Before using or mixing the contents with other substances, all labels applied to container, the applicable Technical Data Sheet and Material Safety Data Sheet should be read and specific instructions and precautions followed to assure correct use and personal safety.

AUSEAL HS

BLOOM PREVENTER FOR THE HOT SEAL PROCESS

AUSEAL HS is a liquid for the use in the hot sealing process of anodized aluminium for both natural and electrolytic coloured finishes. It can be used in demineralized water or normal water with a SiO₂ content lower than 5 ppm.

ADVANTAGES

- Bloom free sealing
- Non nickel
- Passes all standard seal quality tests i.e. ISO: 2931, 2143, 3210

OPERATING CONDITIONS

Concentration:	2 g/l
Solution temperature:	95°C (Plus)
pH:	6
Immersion time:	3mins/micron

CONSUMPTION

Approximately 10g/M² of aluminium processed – provided recommended working conditions are kept.

EQUIPMENT

Steel tank with facility to raise and maintain the solution temperature at between 96 - 98°C.

SOLUTION PREPARATION

Add AUSEAL HS to achieve a concentration of 2g/L.

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AUSEAL HS

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MAINTENANCE AND CONTROL

AUSEAL HS is buffered and is able to stabilize the pH of the solution. If pH corrections are required it is recommended that acetic acid (to decrease) or diluted ammonia (to increase) be used.

pH range 5.5 to 6.0

It is important that material to seal is well rinsed prior to immersion in the AUSEAL HS process. The bath must be dumped when the total salinity exceeds a value of conductivity of 1,800 microsiemens.

EFFLUENT DISPOSAL

Neutralization to the pH range to comply with local authority regulations is sufficient.

HEALTH AND SAFETY

Direct contact with eyes and skin may cause irritation and any splashes should be flushed with copious supply of water.

As with all chemicals care must be exercised during handling and it is recommended that protective clothing, eye protection and rubber gloves be worn.

STORAGE

No special storage procedure is necessary. It is good practice to keep all chemicals in a weatherproof locked area to control access of unauthorized persons and protection from the elements.

PACKAGING

AUSEAL HS is available in 200 kg, non returnable containers and 1000kg returnable containers.