

# BONE ASH MC & TECHNICAL GELATIN



## TOP QUALITY TOOLS FOR NON-FERROUS INDUSTRY

The non-ferrous metals casting industry which wants to add value to their production will discover a choice of possibilities at Sonac. Sonac produces bone ash MC and technical gelatin (bone glue) which can be very effective in helping to optimise your production process. Bone ash MC increases working life of launders, moulds and equipment up to twice as long. Technical gelatin improves the homogeneous growth of copper crystals to the cathodes. With these value adding tools you will have extra scope for reducing the technical depreciation of your production equipment and increasing your production yields.

**Natural Ingredients. Smart Solutions.**

**sonac**

**DARLING**  
INGREDIENTS

## BONE ASH MC, A SUPERIOR PROTECTIVE COATING

Bone ash MC is fine powder with unique characteristics as a superior protective coating for casting of aluminium, refined copper and copper alloy. Bone ash MC is extremely suitable as a protective coating for launders and moulds. The bone ash prevents the launders from early wearing and cracking and increases their life expectancy. Furthermore, this product can be used as an easy-release agent. It prevents metal from sticking to the surface of the moulds and makes it easier to remove the cast parts. In addition the material is safe, clean, odourless, smokeless and has no dust build-up during processing.

### DRY APPLICATION

Dry application is normally used for the protection of launders in the casthouse. Bone ash MC is applied manually in the launders as a coating to prevent the liquid aluminum from sticking to the launders, and at places that have to be repaired or where dams have to be made. Dosing can be done by hand or by brush.

### WET APPLICATION

Wet application is used to protect hot moulds with a thin layer. A suspension of bone ash MC with water is applied in the mould. Make sure that the water must be completely evaporated by the temperature of the moulds. The optimum concentration of bone ash MC in water is 20-25 %. This suspension has to be stirred continuously and can be applied to the moulds by spray gun or brush. Furthermore this suspension is suitable for the protection of tools like casting spoons etc.

## TECHNICAL GELATIN, AN ESSENTIAL AID FOR ELECTROLYSIS

Metal refiners use our technical gelatin (bone glue) to aid electrolysis to proceed more smoothly. It improves the growth of for example copper crystals to the cathodes. In this way very pure products are the result when refining copper, zinc, cadmium and other non-ferrous metals.

Sonac is a leading manufacturer of reliable ingredients of animal origin. With an active R&D program, reliable processes and sustainable end products Sonac continuously adjusts to market needs. A good geographical spread of locations and a broad portfolio of fats, proteins, minerals and specialties make Sonac a trusted partner for many international producers in food, pet food, feed and fertilizers, worldwide. Sonac is part of Darling Ingredients.

**For more information about this specialty product please contact us:**

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### THE ADVANTAGES OF BONE ASH MC:

- doubles working life of launders and equipment
- excellent seal for seams and cracks in launders
- perfect mould coating
- easy release agent
- smoother surface of castings
- no impurities and contamination of castings
- chemically inert and free of organic matters
- excellent non-wetting properties
- very high heat resistance
- safe in usage



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