

AQUADUR ZP

COATING FOR MOULDS AND CORES

DESCRIPTION

AQUADUR ZP is a water-based dressing with zircon. Its characteristic is a high refractoriness.

Approximate composition:

- ≈ 83 % refractory filling (zircon, Al silicates)
- ≈ 2 % organic binder (polysaccharides)
- ≈ 15 % water

APPLICATION

Dressing is applicable for all types of cores and moulds in which steel, ferrous and non-ferrous metals are cast. Dressing can be applied by brush, with immersion and spraying.

ACTION

Dressing gives compact layers which are insensitive to temperature shocks. Only a small amount of gases is liberated, and the layer does not crack. Applied dressing dries quickly.

PREPARATION

Dressing is as paste and before application it must be suitably diluted with water:

- 5 to 10 % for brushing
- 10 to 20 % for overpouring and spraying

The applied dressing dries for 6 to 8 hours in air at normal temperatures. It can be dried in ovens or in dryers with hot air at 80 to 150°C.

PACKING

AQUADUR ZP is packed in metallic or plastic buckets at net 40 kg each (16 x 40 kg = 640 kg per pallet).

STORING AND TRANSPORT

It has to be stored in covered stores at + 2 to + 30°C. If it is stored outdoors in summer, a bacterial fermentation can occur. Care must be taken that it does not freeze.

According to European agreement for international road transport of dangerous goods, **AQUADUR ZP** is not a dangerous substance.

PROPERTIES

Physical state	pink paste
Viscosity after addition of 15 % water	15 - 30 s 4 DIN 53211
Dry matter	82 - 84 %
Sedimentation in 24 hours:	2 % max



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