

Description

Galaxie AC300 is a blend of acrylic polymers in conjunction with an accelerator and reinforced catalyst system. Upon mixing of the components a chemical reaction occurs and a waterproof and tough flexible gel is formed. Galaxie AC300 has the benefit of being non corrosive. It is available in two grades –Galaxie AC300 and Galaxie AC300 FS (Fast Set)

Benefits

- low viscosity
- Swells up to 5% in contact with water
- Very Flexible >70%
- Good chemical resistance
- Non corrosive
- Non-toxic acrylic polymers
- Safe for use with potable water

General Application

- Leak sealing
- Curtain grouting
- Injection tubes
- Void filling
- Soil stabilisation
- Tightening up

Application Guidelines

Galaxie AC300 comes as a 4 part system The accelerator is added to the Part A at the required rate and mixed prior to use.

The catalyst pack is diluted with clean water and is then added to the part B and mixed until no powder is left.

Galaxie AC300 is then injected at a ratio of 1:1 (Part A:Part B) by volume.

Clean using copious amounts of fresh water to remove the resin before it sets.

Note

Once the accelerator is added to the Part A, and the catalyst is added to the Part B it should be used within 24 hours.

Never use metal containers as this may cause the resin to set without Part B.

Reaction Times

The reaction time can be varied to suit prevailing conditions. To ascertain accelerator dosage required use 2 clean discardable receptacles i.e. paper cups. Pour an equal amount of Part A and Part B into separate containers, each container should be able to hold twice the contents of the other. Using the reaction table as a guide, add the accelerator to the Part A and mix with a non-metallic stirrer. Pour one container into the other repeatedly until the material gels. Use this as a guide to judge accelerator dosage. The larger the volume of the mixed product the quicker the reaction time.

Gel times

By Weight of Part A (Resin)	AC300 25°C	AC300 FS 20°C	AC300 FS 30°C
4% accelerator	49 min	5 min	2 min
6% accelerator	29 min	90 sec	45 sec
8% accelerator	20 min	1 min	30 sec
10% accelerator	11 min	30 sec	15 sec

Note the above data is based on 100ml samples and are for a guide only. Site trials should be carried out prior to use to verify the correct amount of accelerator to be used.

Technical Data

GALAXIE AC300 Mixed	
Appearance	Opaque orange liquid
Solids Content	50%
Elongation	>70%
Density	1.07
Toxicity	Non

All technical data stated herein is based on tests carried out under laboratory conditions at 25°C

Packaging

Galaxie AC300 is supplied in a 40KG pack and the accelerator in a 1KG bottle. Packaging size may vary subject to local regulations and requirements.

Storage

Galaxie AC300 should be stored at room temperature (min 10°C and max 35°C), kept dry and out of sunlight. If these conditions are maintained and the product packaging is unopened, then a shelf life of 1 year can be expected.

Health & Safety

Galaxie AC300 should only be used as directed. We always recommend that the Safety Data Sheet is carefully read prior to application of the material. Our recommendations for protective equipment should be strictly adhered to for your personal protection. Please contact Galaxie or your local representative for the current SDS.

