

ROPES



Pre-soaking

Rope recommendations for the ACCII are dependent on the type of application. For equipment-lifting operations, ActSafe specifies the use of its Equipment Lifting Rope (ELR), which is the only rope that is explicitly approved under the machinery directive for use with the ACCII ascender for this purpose.

The approval for personal lifting applications is done in combination with *EN1891 A* ropes. Ropes should be of solid construction with a diameter of preferably 11mm for optimal lifting performance, 10.5 mm is allowed for use under current certification. Ropes that are too soft (*EN1891 A*) have a tendency to deform and/or elongate under high load and this will lead to reduced grip and eventually slipping on the ACCII ascender. In rare cases this may lead to the rope becoming stuck or jammed in the rope grab.

It is recommended that only pre-soaked ropes are used with an ActSafe ascender. New ropes should be put in cold water (<40°C) for 24 hours. This will make ropes more suitable for using in ActSafe ascenders for two reasons:

Rope density

Pre-soaking makes the ropes more dense. The fibres will absorb the water and will have the tendency to shrink when drying. The result is that all fibres become more densely aligned, the sheath sits tighter around core of rope, this will make the rope more solid and will consequently result in less mantle slippage

Oil dissolution

For a smoother production process some oil is added to the rope reduce friction between its fibres and the rope weaving machinery. When soaking the rope in cold water some surface oil will dissolve. This will contribute further to a better grip. Do not soak ropes in warm water, this will lead to greater dissolution of oil, which will have a negative impact on rope fibres.

ActSafe distributors will help you by recommending the correct rope for the specific applications.



Danger

Always make sure that the rope is in good condition (see below).



Recommended

- The user should carry out tests with the rope normally used prior to operations involving the ascender. Consult ActSafe for more information and assistance in the test of the rope.
- A new rope will have a longer service life if it is put to soak in cold water before the first use.
- Avoid getting sand or dirt onto/into the ropes since it will wear the rope grab loop, and the rope itself. Use a rope mat, rope bag or similar.