

K 6080 PVA-Release Agent

PROPERTIES

K 6080 is a release agent based on PVA (polyvinyl alcohol) resin in a water and alcohol solvent system. It dries to a solid, non-tacky film allowing the separation of most resin systems (polyesters, vinylesters epoxies, GRP composites) from various mold surfaces (metal, resin, wood, etc.).

K 6080 cannot be used with phenolic resins or other resins which release water during the curing phase: this can cause damages.

During the molding process the film transfers to the surface of the molded part from which it can be easily washed off with warm water.

K6080 provides excellent part finish.

K 6080 is recommended:

- For moulding difficult parts
- on new moulds
- on moulds that could be affected by solvents (e.g. : Silicon moulds)

K 6080 is available in two versions: clear (K 6080) or matt (K 7090). Both versions do not affect the color of the article and are therefore suitable even for molding white articles.

MOLD PREPARATION

In case of porous molds (i.e. wood) seal the surface with a suitable coating. Be sure that mold surface is not contaminated with other release agents in particular those containing silicon.

APPLICATION

When using the matt version (K 7090) shake the container before use.

K 6080 is ready to use and should not be diluted. It is best applied to the mold by spraying. It is recommended to use an airmix gun with air nozzle diameter 0,8 - 1,0 mm.

Apply a thin coat first and follow with one or two heavier coats, allowing each coat to dry completely before proceeding.

The best procedure for separating the part from the mold depends on the size and shape of the part. In most cases the part can be lifted from the mold after loosening around the edges. A jet of air between the part and the mold at the edge is sometimes useful especially with rigid parts which cannot be flexed.

On large curved parts it may be necessary to first tap over the surface with a rubber mallet.

PACKAGING

K 6080 is supplied packed in carton boxes containing 4 x 5 Kg. plastic cans.