

The market of PVC products

The market for PVC products is primarily wall panels, which are often used when making inexpensive renovations.

The panel itself is made on an extruder. The main components are: polyvinyl chloride, chalk and plasticizer. All customers have their own PVC recipes. The panels different quality and color. In addition, the panels are refined on special painting machines. Panel finishing technology can be based only on varnishing or can be three-step paint (primer, paint and topcoat).

Conventional UV varnishes have a good adhesion to PVC, however, in the case of digital printing using a UV printer, a primer may be required. For this purpose, our varnish U 888832 Primer is used. The print can be applied by means of digital printing or direct printing. In the second case, rotogravure is used. The printing ink can be made of standard UV-flexo paint and a special thinner.

The last layer is the Topcoat varnish. Usually gloss varnishes with a viscosity of 35-45 seconds are used. Sometimes are used varnishes with a viscosity of 60 and 90 seconds. For customers very important is adhesion, which is checked by "coin test", and yellowing of the varnish. Depending on the client's requirements regarding the final effect, the following options can be offered.

- **U 662069, U662068**- economy class panels. The varnish has a slightly yellow. Working speed- medium and high.
- **U 662063** - gloss varnish with increased resistance to yellowing for middle class panels. The speed of work is low and medium.
- **U 662067** - gloss varnish with increased abrasion resistance for medium and premium segment panels. Reactivity is high.
- **U 662065** - Non-yellowing varnish for external use, resistant to yellowing in the sun. The speed of work is medium or low.
- Varnish with extremely high gloss. Relatively new trend in PVC painting. For now, there is no product with the right requirements on the market.
- Sometimes, PVC panels are coated with matt varnish. To this use we offer **U 662075 MAT 20%**
- Another popular PVC product is floor covering (PVC laminate). The quality of the coating itself is worse than in the case of a standard laminate, but the cost is much lower that it is suitable for terraces, etc. The main requirement for varnish is its abrasion resistance (Taber test). For these purposes we offer a gloss varnish **U 662066** or a matt **U 669034 MAT**.
- Another area of PVC application is the production of baseboards or plinths. The pattern is applied using conventional inks or UV flexo inks, diluted with matt varnish U662092 or other. The baseboard or plinth can also be covered with matte varnish. It all depends on the technology is used.