Nirotek
Adhesives & Coating technologies
Kibbutz Nir-David 1080300, Israel
Tel. 972-4-6488869 • Fax. 972-4-6488900
www.nirotek.com • export@nirotek.com | REG.NO: 570039271

Nirotek adhesives

One of the technologies in which Nirotek specializes is the development and coating of adhesives on a wide range of sheets.

Nirotek specializes in three adhesive coating technologies:

- ## Water-based acrylic adhesive:

  This Adhesive is made from formulations of aquatic suspensions using acrylic polymers, tackifier and additives.

  Improved adhesion on hard surfaces, especially low-surface plastic surfaces such as polyethylene and other polyolefins.

  Adhesives with improved resistance to heat and UV radiation, including special types that are adapted to withstand moisture and resist bleaching in water.

  These adhesives have an excellent balance between adhesion and cohesion, and are therefore suitable for shape-cutting and peeling processes of the patch.

  Removable adhesives are also available.

- ## Hot Melt rubber-based adhesive:

  Formulations based on synthetic rubber copolymer, tackifier and various additives. Adhesives suitable for adhesion on hard surfaces, especially on plastic surfaces with low surface energy such as polyethylene and other polyolefins. The adhesives have very high resistance to water and moisture. These adhesives can also be applied to surfaces that are not dry or completely clean. There are special adhesives with improved adhesion even in extreme cold conditions (as well as with high resistance to solar radiation).

- ## Hot Melt UV acrylic adhesive:

  Formulations based on acrylic polymer, which undergoes cross-linking using UV radiation. Very good resistance to water and moisture, as well as high resistance to solar radiation and various solvents.

  Removable and/or Resealable adhesives are available for uses such as recloser label for flexible packages for wet wipes packing.

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Following is a breakdown of adhesives by Types:

Water-based acrylic adhesives:

High-performance general-purpose acrylic adhesive

The Adhesive is good for application on a variety of substrates, including on cardboard. The initial Tack is high, and over time a very strong final adhesion is formed.

P22

FTM1 (24H)>7

FTM9>6

Acrylic adhesive for permanent gluing to films

A new adhesive, with excellent transparency, UV resistance, intended mainly for plastic, transparent and non-transparent facial materials, such as PE, BOPP, etc.
The adhesive has good adhesive performance on a variety of substrates.

P25

FTM1 (24H)>6

FTM9>6

Acrylic adhesive for fixed-sheet, for general use

The adhesive was designed for application for sheets (the special formulation allows molded cutting of the pages with minimal accumulation of glue on the blade). The initial adhesion is high, and over time a strong final adhesion is formed.

P08

FTM1 (24H)>6

FTM9>5

Acrylic adhesive for permanent adhesion – with high and improved adhesive strength.

This adhesive is specially designed to adhere to curved surfaces, making it particularly suitable for labeling on narrow-diameter laboratory tools in the medical and pharmaceutical industries. The adhesive performs well on a variety of substrates, with an emphasis on cardboard and low-energy surfaces such as polyethylene. The initial Tack is high, and over time a very strong final adhesion is formed.

P60

FTM1 (24H)>9 Stainless Steel

FTM9>8 Glass

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Acrylic adhesive for permanent pasteurization and freezing

Transparent adhesive designed for use with paper and film interior materials, creating a strong adhesive on a variety of substrates. Has high resistance to heat, cold and UV radiation; Outstanding for use in applications where good transparency and transparent films are required.

This adhesive is designed for application on cold substrates.

Suitable for low temperatures – refrigerated and labeled on bottles.

P03

- **FTM1 (24H)>8**
- **FTM9>7**

Acrylic adhesive for permanent adhesion suitable for PVC

The adhesive has a low sensitivity to the conditioner in PVC.

This adhesive is suitable for outdoor use, resistant to UV radiation and temperature changes.

P14

- **FTM1 (24H)>6**
- **FTM9>5**

Removable acrylic adhesive for general use

This adhesive is suitable for removal from a variety of substrates. Easy to remove from glass, and low-energy surfaces such as polyethylene even at low temperatures.

*Check application compatibility before use.

R39

- **FTM1 (24H)>1**
- **FTM9>1**

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Hot glue (Hot Melt -HM) based on rubber:

High-performance general-purpose permanent rubber adhesive

Adhesive with enhanced properties suitable for high-speed work when die cutting and lifting a mask. Such as in industry application machines. The adhesive is good for application on a wide range of substrates. **P77**

The initial Tack is high, and over time a very strong final adhesion is formed.

- **FTM1 (24H)>11 Stainless Steel**
- **FTM9>12 Glass**

Ultra-high-performance permanent rubber adhesive

The adhesive is good for application on a wide range of substrates, including on cardboard and surfaces such as polyethylene.

The initial tack is high, and over time a very strong final adhesion is formed. In addition, it is suitable for use on hard and uneven surfaces. **P73**

- **FTM1 (24H)>15 Stainless Steel**
- **FTM9>13 Glass**

Hot melt rubber based permanent adhesive for deep freeze uses

This adhesive is designed for labeling on cooled, dry or slightly moist surfaces.

This adhesive has excellent adhesion at low temperatures to a variety of packaging materials including low-surface energy plastic sheets (shrink and starch), which are used in food packaging. **P56**

- **FTM1 (24H)>10 Stainless Steel**
- **FTM9>12 Glass**