



Painting of the Robot Body

The following information is only suggestions of painting methods. Contact a professional for assistance.

Preparing the surface

The robot body is an **ABS plastic** and should be cleaned before painting to remove oils and dirt. This is especially true if the surface has had a silicone-based product such as Armor-All put on it. Clean the plastic with a plastic cleaner designed to clean before painting. Use a 600-grit sandpaper or Scotch-Brite 7448 pad to smooth the scratches. This also improves the adhesion of the paint. You can use a body filler, like Bondo to fill the scratches then sand them out again after it's dry.

Painting the surface

Method 1- Quick but less durable

Enamel spray paints such as Krylon Interior/Exterior enamel does adhere to the body. This method can be touched up easily if the paint ever gets scratched. This is typically a method for painting trim, bumpers, gauge plates etc. Carefully cover parts that are not to be painted with masking tape and paper, to protect against over spray. Use a very narrow masking tape to tape the line and then much larger tape and paper beyond that.

Method 2 – More durable

Note: If you use method 2, you should contact a professional painter that has had experience painting on various types of surfaces. These are automotive type paints and typically include an adhesion promoter, primer and base coat. For a glossy look you can use a glossy base coat or a clear coat.

Brand-Dupont

Primer: Acrylic Urethane Flexible Primer Surfacer. Use a Dupont Primer.

Paint: Acrylic Enamel. Dupont ChromaBase Basecoat. ChromaBase requires a clear coat for a glossy look. Dupont also has some single stage paints where a clear coat is not required.

Brand-Valspar

Primer: Check with painter.

Paint: Valspar LVB Polyurethane enamel

Clearcoat: Cromax Premier LE

Brand-Sikkens

Primer: Plastoflex primer by Sikkens

Paint: Autocryl by Sikkens (two-part acrylic urethane enamel)

For future reference, keep the information on file about who painted the robot and ask them for the paint brand and mix information. This will help you to get touch up paint and a new paint job when needed.

The information listed includes suggestions and general information. This material is designed for application only by trained professional painters, using proper equipment. If you have any questions, call our service department at 801-489-4466.