



Plastikol

Flexible two-component, Bituminous, Plastic protective material

➤ Description:

Plastikol provides a flexible, waterproof coating. It can be easily prepared and after mixing has a pot life about 1-2 hours at +20°C. After curing, the material is tough, flexible and resistant to earth movement and shaking.

➤ Advantages:

- Odorless
- Resistant to water, salts, alkalis and most aggressive materials.
- Resistant to corrosive agents of soil and wastewater
- Resistant to temperature changes
- Can be diluted by water

➤ Main uses:

Plastikol is suitable as a waterproof, flexible layer with or without imbedded fiber reinforcement for concrete, screed or fully jointed masonry, in foundations, basements, shafts, containers, basement, garages, tunnels, etc

➤ Physical properties:

Base	Bitumen/Plastic
Color	Black, Red ochre
Consistency	Pasty and ready for application after mixing
Specific gravity	1.2 as mixed material 1:3
Manner of application	Trowel, Spatula, brush
Thickness of coat	As insulating layer; (2-4) mm
Consumption	As insulating layer; About (4-6) Kg/m ²
Temperature Stability	Up to +80°C
Softening point by R & B method	Above +75°C
Packaging	A : 18 Kg B : 6Kg

➤ Processing properties:

Pot life	About (1-2) hours at +20°C
Post curing time	(5-10) hours at +20°C
Full curing time	About (2-3) days

➤ Application Guide:

- surface preparation

Plastikol must be applied on clean, firm backings. Non-absorbent surfaces may be dry or damp. Absorbent surfaces must be moistened before application. It is not suitable for use on zinc and aluminum.



- Preparation of material:

First stir the liquid then shake the entire quantity of powder into the liquid. Both components are stirred using a mixer machine by 400-700 rpm and at least 450 watts. During consolidation stirring must continue.

For preparation of smaller mixes use 1 part by volume powder to 3 parts by volume liquid. Mixing is also possible at high outside temperatures, but temperature of the material during preparation must not exceed +30°C and not be less than +5°C. material which is too warm should be cooled down in a water bath, when necessary.

Do not leave the container exposed to sun or in high temperature, since heat accelerates setting.

Working time 1-2 hours, according to outside temperature. Stirring paddles and tools must be rinsed in a water bath immediately after use to prevent the material sticking.

- Application:

The application of the entire thickness of the insulating layer is done in one operation with a glazing trowel, brush or spray. For fairly large surfaces where there is a risk of cracking, insertion of a bed of acrylic/PP fiber or glass wool reinforcement to obtain uniform layers of greater thickness is recommended. Apply 2-3 mm of Plastikol, then acrylic fiber or glass wool on top with an overlap of about 2 cm and then apply the remainder of the Plastikol. The total amount of Plastikol applied should be 4-6 Kg/m².

➤ **Recommendation:**

The material should not be exposed to frost before setting. Application to frozen backings is not possible. Avoid direct sun light during application.

➤ **Storage:**

Plastikol liquid solidifies in frosty conditions; therefore the emulsion should be protected from the frost and stored in frost-free conditions.