

Version: 1

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PRODUCT DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY / UNDERTAKING

PRODUCTNAME: POLY 46-2D

SUPPLIER: Polytech

2. DESCRIPTION

POLY 46-2D is a single component moisture curing aromatic polyurethane binder. It has an expected curing time of approximately 4 to 6 hours in average United Kingdom temperature and moisture conditions. Poly 46-2D exhibits excellent adhesion to most rubber granulates and gives a strong performance both in terms of tensile strength and durability. For shorter cure times or during use in cooler or less humid climates the addition of Poly Activator is advised as a catalyst.

3. APPLICATIONS

Binding together both SBR and EPDM granulate where these are mixed and laid in situ. Manufacture of rubber safety tiles and mats.

4. USAGE

For in situ applications typical quantities used range from 10% to 15% by weight of finished bound product for base layers and 18% to 24% for topping in tile and mat manufacture the addition rate may vary significantly dependent upon the size of granulate and crumb being used and the properties required in the finished product. Poly 46-2D may discolour if exposed to strong sunlight during it's curing process. In order to maintain the integrity of pale coloured EPDM Poly Aliphatic binder should be considered.

5. PACKAGING

Supplied in 1090 Kg IBCs, 220 Kg Drums, 25 Kg Plastic Kegs and 5Kg Tins.

6. STORAGE

Product should be stored in dry conditions at temperatures no lower than 3°C and no greater than 35°C. Prolonged storage of partially used containers must be avoided as contact with atmospheric moisture will result in skinning and clouding of the product.

7. SHELF LIFE

The expected shelf life of unopened containers stored under the recommended conditions is 6 to 9 months.

8. TYPICAL PROPERTIES OF LIQUID MATERIAL

COLOUR	Pale Yellow to slightly cloudy
VISCOSITY	Between 3000 and 5000 MPAS at 25°C
NCO CONTENT	Between 8.0% and 11.0%
SPECIFIC GRAVITY	1.1 at 20°C
NON VOLATILES	92.5%

For all Health and Safety information relating to POLY46-2D please refer to the MSDS