

METZ HYPALON[®]

SHEET MEMBRANE



DESCRIPTION:

Metz Hypalon is made of Chlorosulphonated Polyethylene (CSM). It has excellent resistance to a wide range of chemicals, and can be used as a sheet membrane in a wide range of chemical resistant applications, such as tank and vessel linings.

FEATURES AND BENEFITS:

- Impervious
- Excellent resistance to a wide range of chemicals
- Can be fusion welded to provide impervious seams
- Temperature resistant to 160°C

RECOMMENDED:

As a corrosion resistant membrane used behind acid proof bricks and tiles for tanks, pits, bunds etc in:

- Chemical Industry
- Waste Water Treatment Plants
- Petrochemical Industry
- Mineral Processing Facilities

NOT RECOMMENDED:

As a standalone lining where any abrasion exists.

PHYSICAL PROPERTIES: (Typical Values)

Standard thickness:	1.2 mm (other thicknesses up to 2.5 mm available)
Breaking Strength, ASTM D751:	500 N
Tongue Tear, ASTM D751:	250 N
Temperature Resistance, ASTM D2136:	160°C (High), -30°C (Low)
Density (for black unreinforced):	1.6 g/cm ³
Thermal Expansion Coefficient:	20 x 10 ⁻⁵ per °C
Thermal Conductivity:	0.11 W/m ² K
Water Absorption, 24 hours:	3.0%
Compatible Brick Adhesives:	Metz 5NF, Metz 12P - for other products consult Metz.

APPLICATION TEMPERATURE:

Refer to the Data Sheet for the appropriate adhesive (Metz Epoxy Plaster or Metz 33EN Plaster) for full details.



Acid Proofing & Industrial Flooring • Specialty Ceramic Tiles





INSTRUCTIONS FOR USE

Adhesive:

When using Metz Hypalon Sheet as a membrane on steel or concrete under ceramic linings, use Metz Epoxy Plaster or Metz 33EN Plaster as the adhesive. Consult Metz for recommendations.

1. Temperature of Working Area

Refer to the Data Sheet of the appropriate adhesive (Metz Epoxy Plaster or Metz 33EN Plaster)

2. Surface Preparation

Refer to the Data Sheet of the appropriate adhesive (Metz Epoxy Plaster or Metz 33EN Plaster)

3. Mixing

Refer to the Data Sheet of the appropriate adhesive (Metz Epoxy Plaster or Metz 33EN Plaster).

4. Installation

Roll out or unfold membrane as near to its final position as possible. Carefully position each sheet in place and cut and trim for proper fit before installation. Allow sheet to "relax" in place before installation. Wipe clean contact surfaces of membrane, removing all dirt, dust, moisture and other foreign matter. Sheets are applied in full lengths where possible. Seams shall overlap by a minimum of 40mm. Lap joints are hot welded with a hot air gun. Roll the lap flat with a rubber roller as the hot air is being applied. The hot air temperature must be adjusted so that the Hypalon sheet is not overheated (scorched) or underheated (reduced bond). Contact Metz for details.

Air pockets and bubbles must be avoided when laying the membrane. Rubber rollers can be used to press the membrane into the adhesive. All foot traffic and all other construction activities should be prohibited during membrane installation. All installers should wear soft rubber soled shoes to prevent damaging the membrane.

5. Curing

Metz Hypalon Sheet is pre-vulcanised and does not require special curing procedures. Refer to the data sheet of the appropriate adhesive (Metz Epoxy Plaster or Metz 33EN Plaster) for recommended curing times.

1. The customer must comply strictly with the instructions contained in this product data sheet. Metz is not responsible for any advice or variations to this data sheet which are not confirmed in writing.
2. If the customer has a claim against Metz in respect of any product supplied to the customer by Metz whether due to a fault in the product or the negligence or breach of contract by Metz or for any other reason:
 - a) Metz shall not be liable for any loss of damage including consequential loss or damage or loss of profits arising thereby;
 - b) Metz may at its option replace the defective product free of charge to the customer or refund all payments made to it by the buyer in respect of the defective product; and the maximum liability of Metz shall be the cost of replacing the defective product.

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