

# MASTERSEAL® 698

Rapid curing, chemical resistant, pure polyurea waterproofing membrane

## DESCRIPTION

**Masterseal 698** is a solvent free, two component, high performance polyurea based waterproofing membrane, with high resistance to common chemicals. Using a specially designed spraying machine, the two components are pre-heated and spray applied, to a rapid curing, elastomeric, waterproofing membrane.

## RECOMMENDED FOR

**Masterseal 698** is recommended for waterproofing of large structures exposed to urban and industrial pollutants or chemically corrosive environments

Typical application areas include:

- Protection of infrastructures
- Raw water and sewer facilities
- Industrial effluent treatment tanks
- Pipeline protection and restoration

## FEATURES AND BENEFITS

**Fast reacting** - Rapid installation. Does not run when applied on vertical surfaces.

**Seamless** - No risk of leaky seams and laps.

**Spray applied** - Fast installation on large surfaces; easy application on complex details.

**Fully bonded** - Eliminates water collection behind membrane even if punctured.

**High tensile strength** - Excellent ability to accept movements without rupturing.

**Elastomeric** - Excellent crack-bridging ability. Superior waterproofing performance.

**High tear resistant** - Minimised risk of damage to membrane in service.

**Low T<sub>g</sub> of -20°C** - Remains elastomeric at very low temperatures. Performance unaffected in below freezing conditions.

**Solvent-free** – Superior safety of workman.

## PERFORMANCE DATA

Shore A hardness, DIN 53505 sprayed	90-95
Tensile strength, DIN 53504, N/mm <sup>2</sup>	>18
Elongation, DIN 53504, %	>450
Tear strength, ASTM D624, kg/cm	>70

## Properties

Mixing ratio, A : B, by volume	1:1	
Density, at 25°C, kg/L	Part A	1.03
	Part B	1.08
Viscosity, at 25°C, cps	Part A	500 <sup>±100</sup>
	Part B	1000 <sup>±200</sup>
Gel time (approx), tack free	6-10 secs	
	40-60 secs	
Application temperature of Pats A & B	65-70°C	
Application temperature (ambient and substrate), °C	10 to 40	
Permissible max. relative humidity during application, %	85	

The performance data is typical and based upon controlled laboratory conditions. Actual performance on the job site may vary from these values based on actual site conditions.

## ESTIMATING DATA

**Masterseal 698** is applied approximately at 1.05 – 2.1 kg/m<sup>2</sup>. This corresponds to a cured film thickness of approx. 1.0 – 2.0mm. Details, corners require a higher coverage rate up to 4.0kg/m<sup>2</sup> or more.

## APPLICATION

For information about application, please obtain a copy of the BASF "Application Guide for **Masterseal 698**" from your local representative.

### Tips for optimal performance

- Keep **Masterseal 698** cool in hot weather and warm in cold weather.
- Repair voids, cracks and unevenness in substrates before application.
- Remove all surface contaminants and ensure substrate is dry.
- Avoid application during rain.
- Homogenise Part A before application.
- Apply by spraying uniformly to recommended thickness using recommended spray machine.



The Chemical Company

# MASTERSEAL<sup>®</sup> 698

## CLEANING

Clean tools, machine parts with Methylene Chloride.

## PACKAGING

**Masterseal 698** part A and part B is supplied in 200kg drums.

## SHELF LIFE

Store in unopened, original containers under dry conditions at a temperature between 15-25° C. Do not expose to direct sunlight.

## PRECAUTIONS

Like most resin products, this resin based product is toxic and highly irritant in nature. Vapours generated while handling, if inhaled, can irritate air passage and lungs and can even cause nausea. To persons allergic to chemical

vapours and strong smells, inhalation can cause breathing difficulties.

Keep containers closed when not in use. Do not smoke near storage and place of use. Use appropriate protective clothing, gloves, eye protection and dust masks while handling the product. If using in poorly ventilated area use appropriate respiratory protection.

**First aid:** In case of skin and eye contact, remove all contaminated clothing and wash thoroughly in running water. If vapour inhalation causes breathing difficulty, move to fresh air. If irritation persists due to any type of exposure, seek immediate medical attention.

For the full health and safety hazard information and how to safely handle and use this product, please make sure that you obtain a copy of the BASF Construction Chemicals **Material Safety Data Sheet (MSDS)** from our office or our website.

CMs698/1/0409

### STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this **BASF Construction Chemicals** publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use. **BASF Construction Chemicals data sheets are updated on a regular basis and it is the user's responsibility to obtain the most recent issue.**

### NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by **BASF** either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not **BASF Construction Chemicals**, are responsible for carrying out procedures appropriate to a specific application.

### BASF Construction Chemicals offices in ASEAN

#### Singapore

Tel: +65-6861-6766  
Fax: +65-6861-3186

#### Malaysia

Tel: +60-3-5628-3888  
Fax: +60-3-5628-3776

#### Indonesia

Tel: +62-21-526-2481  
Fax: +62-21-526-2541

#### Thailand

Tel: +66-2-664-9222  
Fax: +66-2-664-9267

#### Vietnam

Tel: +84-650-374-3100  
Fax: +84-650-374-3200

#### Philippines

Tel: +63-2-811-8000  
Fax: +63-2-838-1025

Website: [www.ap.cc.basf.com](http://www.ap.cc.basf.com)