

MasterSeal P691

Single component polyurethane adhesion primer

DESCRIPTION

MasterSeal P691 is a fast curing, single **component**, solvent containing, moisture curing, clear polyurethane adhesion promoting primer.

FIELD OF APPLICATION

MasterSeal P691 is designed as an adhesion promoting primer between build up layers of MasterSeal waterproofing systems.

It can be used as a primer for many applications, including:

- Sanded substrates prior to spray membrane application
- Profiled metal sheet roofing
- Rejuvenation when intercoat window has been exceeded
- Old membranes or repair applications
- GRP substrate
- UPVC and single ply PVC

FEATURES AND BENEFITS

- Excellent adhesion to aged membranes especially where the membrane is permanently exposed to water
- Rapid cure
- Long recoating interval
- Low viscosity
- Low consumption
- Easy to apply

SUBSTRATE PRE-TREATMENT

The primer, or base layer to which MasterSeal P691 is to be applied must be clean and dry and free from oil, grease and loose material and any other contamination which might impair adhesion.

Membranes that have been exposed for more than two weeks should be abraded and cleaned prior to application of MasterSeal P691.

APPLICATION CONDITIONS

For best results, materials, substrate and air temperature should be in the range 15 – 25°C.

The temperatures should not fall below the minimum stated until the material is fully cured. The temperature of the substrate must be at least 3°C above the dew point both during the application and for at least a further 4 hours (at 15°C).

APPLICATION

Prior to application MasterSeal P691 should be preconditioned to a temperature of between 15 and 25°C.

Shake the container prior to decanting and apply by roller, brush or spray.

MasterSeal P691 is moisture curing and will foam if applied too thickly. It is important to apply thinly and to avoid ponding.

Following application, MasterSeal P691 should be protected from direct contact with water, including dew or condensation, which will impair adhesion to the subsequent coat. Ensure that the solvent contained in the material is allowed to flash off completely before applying the subsequent coat.

The curing reactions are influenced by the ambient, material and substrate temperatures. Low temperatures lengthen the open- and curing times. High temperatures shorten open- and curing times.

COVERAGE

Typically 0.05 – 0.10kg/m²

FINISHING AND CLEANING

Tools must be cleaned immediately after use with xylene or other suitable solvent.

PACKAGING

MasterSeal P691 is supplied in 19.5kg cans.

STORAGE

Store in original containers under normal warehouse conditions. Off the ground, dry and at a temperature between 5 – 30°C. Do not expose to direct sunlight.

SHELF LIFE

For maximum shelf life under these conditions, see "Best before....." label.

EU Regulation 2004/42 (Decopaint Guideline)

This product conforms to the EU directive 2004/42/EG (Deco-Paint directive) and contains less than the maximum allowable VOC limit (Stage 2, 2010).

According to the EU directive 2004/42, the maximum allowable VOC content for the Product Category IIA / j is 500

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g/l (Limit: Stage 2, 2010. The VOC content for MasterSeal P691 is < 500 g/l (for the ready use product).

HANDLING AND TRANSPORT

Usual preventive measures for the handling of chemical products should be observed when using this product, for example do not eat, smoke or drink while working and wash hands when taking a break or when the job is completed.

Specific safety information referring the handling and transport of this product can be found in the Material Safety Data Sheet. For full information on Health and Safety matters regarding this product the relevant Health and Safety Data Sheet should be consulted.

Disposal of product and its container should be carried out according to the local legislation in force. Responsibility for this lies with the final owner of the product.

CONTACT DETAILS

Master Builders Solutions UK Ltd
19 Broad Ground Road
Lakeside
Redditch
Worcestershire
B98 8YP
Tel: +44 (0) 1527 512255
Fax +44 (0) 1527 503576
www.master-builders-solutions.com/en-gb

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Product Data	
Density g/cm ³	1.03
Solids content by volume /%	60
Viscosity at 23°C /mPas	110
Recoat intervals at 23°C 50% RH	
Minimum / hours	1
Maximum / hours	24
Ambient and substrate temperature	
Minimum / °C	5
Maximum / °C	40

The above figures are intended as a guide only and should not be used as a basis for specifications.



When MasterSeal P691 is used as a primer underneath other MasterSeal products the system conforms to the relevant CE marks.

Please refer to the relevant Declaration of Performance and the product and system data sheets.

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Health and Safety

*For full information on Health and Safety matters regarding this product the relevant Health and Safety Data Sheet should be consulted.

The following general comments apply to all products.

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs, (which may also be tainted with vapour until the product is fully cured and dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Keep away from children and animals. Reseal containers after use.

Solvent Based Products

Use in well ventilated areas; avoid inhaling. Suitable respiratory equipment may be needed, eg when spraying. Can cause skin, eye irritation. Wear protective eye shields and gloves during use. Do not smoke or allow sparks or naked lights when stored or in use.

Resin Products

Can cause irritation, dermatitis or allergic reaction. Use protective equipment particularly for skin and eyes. Use only in well ventilated areas.

Spillage

Chemical products can cause damage; clean spillage immediately.

DISCLAIMER

"Master Builders Solutions UK Ltd" (the Company) endeavours to ensure that advice and information given in Product Data Sheets, Method Statements and Material Safety Data Sheets (all known as Product Literature) is accurate and correct. However, the Company has no control over the selection of its products for particular applications. It is important that any prospective customer, user or specifier, satisfies him/her-self that the product is suitable for the specific application. In this process, due regard should be taken of the nature and composition of the background/base and the ambient conditions both at the time of laying/applying/installing the material and when the completed work is to be brought into use.

Accordingly, no liability will be accepted by the Company for the selection, by others, of a product, which is inappropriate to a particular application.

Products are sold subject to the Company's standard conditions of sale and all customers, users and specifiers, should ensure that they examine the Company's latest Product Literature.