

# ATAL GAS RESISTANT DPC TECHNICAL DATASHEET

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Structural Waterproofing Systems

### DESCRIPTION

Gas Resistant DPC is manufactured from a blend of high-quality virgin polymers, resulting in a high puncture and tear resistance. Gas Resistant DPC is suitable for use on sites contaminated with methane and carbon dioxide and has high mortar bond properties due to its class leading embossing. Radbar Gas Resistant DPC complies with BS EN 14909:2012 and BS 8485:2015

Gas Resistant DPC is an engineered tri-polymer that has been developed to give excellent mechanical properties while maintaining outstanding resistance to radon, carbon dioxide and methane gases as well as water vapour. The prominent embossing on the DPC creates superior mortar adhesion, making this product suitable for multi storey applications.

### ADVANTAGES

### APPLICATION:

### CONDITIONS AND LIMITATIONS

Characteristics	Value
Thickness	800µm
Width	100mm – 1200mm
Length	20m
Colour	Black
Radon Permability ( $10^{-12} \text{ m}^2/\text{s}$ )	6
Radon Transmittance ( $10^{-9} \text{ m/s}^{-1}$ )	5
Methane Permeability (ISO 15105-1 ml/m <sup>2</sup> /day/atm)	33.95
Water Vapour Transmittance (g/m <sup>2</sup> /day)	0.1
Tear Strength (Nail) (N)	>700
Tensile Strength (N/mm <sup>2</sup> )	>22
Durability (heat ageing)	Pass
Resistance to Low Temperature	Pass @ -40°c

## AFTERCARE

Atal CM3 membranes provide a dry, warm and habitable living space in basements and other areas suffering from chronically damp conditions. However, it is equally important that areas which lack natural ventilation are provided with adequate means of condensation control, especially in wet areas such as kitchens, bathrooms etc.

This is best achieved through the provision of an effective mechanical ventilation system. Please consult the Atal Technical Department for further advice. This product is also available with a high performance bonded mesh for direct plaster finishes. Please see separate data sheet.

## ENVIROMENT, HANDLING & STORAGE

Loose polythene waste is unsightly and a danger to wildlife. Care must be taken to clean up all polythene scrap lengths and waste into an appropriate receptacle. The handling of polythene fi lms does not present any unusual hazards, although heavier rolls require good lifting techniques or adequate lifting equipment. Polythene waste and scrap lengths should be placed in appropriate receptacles and not left lying on the ground as this could cause a slipping/tripping hazard, which could lead to injury. Bulk pallets of rolls should be strapped and stretch wrapped securely for transport and storage. Storage of polythene fi lms should be shielded from direct sunlight. Once packaging/strapping is removed, care should be taken as rolls can slip and cause injury.

## HEALTH AND SAFETY

All dimensions and information in this data sheet reflect the results of the laboratory tests that have been carried out. Deviations from the values determined by us under laboratory conditions are possible due to environmental and operating conditions beyond our control. The data in this data sheet only applies for the product delivered by us. The product data corresponds only to the specifications in Germany. Possible country-specific deviations are not taken into account here.

### Disclaimer:

The technical information reflects our current knowledge of Flo Board CM3. It is intended only as information for users. As we do not know the envisaged applications and installation conditions, it is the responsibility of the user to carefully check that the product is fit for purpose. Due to the different components at the installation site and the in-situ working conditions, MASTERTEC cannot provide any guarantee whatsoever for the result of the work. Claims arising from any legal relationship can only be recognised in the event of wilful intent or gross negligence, irrespective of the statements made here or advice provided verbally. In this case the user must prove that he has provided MASTERTEC in writing with all the information required to correctly assess the installation situation in good time. Subject to necessary product specifications or further developments. By providing this information ATAL does not intend to infringe third-party rights. The latest data sheet in each case applies. Our corresponding terms and condions of sale and delivery apply.

