

# Gardtex Type R

# Water Immersion Sealant

## Product:

**Gardtex Type R** is a two-part self-leveling (I) or gun-grade (II) non-staining, polyurethane sealant which cures at ambient temperature to a firm, flexible, tear-resistant rubber. It is highly resilient and has excellent recovery characteristics after extended periods of compression or elongation.

## Product Description:

**Composition:** Polyurethane based joint sealant.

**Basic uses:** For sealing and caulking all joints that are subject to water immersion, such as reservoirs, water tanks, canals, etc. Bonds to concrete, wood, glass and metal.

**Limitations:** Containers of Component B that have been opened must be used up within one or two days since it is a moisture-reactive material. It sets up when exposed to air. All surfaces must be completely free of foreign matter and primed with Gardtex 150 Primer or Poxypriime.

**Colour:** Grey - Other colours are available on special request.

**Sizes:** Available in 6 litre units.

**Standards:** Federal Specification TT-S-227e and USASI Specification A116.1-1967, James M Montgomery specification for reservoir sealants.

## Technical Data:

Specific gravity: 1.0  
 Consistency: Pourable, I  
 Gun-grade, II  
 Tack free time: 8 hours at 25°C and 50% RH  
 Cure time: 24 hours at 25°C and 50% RH  
 Pot life: 2 hours min. at 25°C  
 Hardness: 30 Shore A ± 5  
 Elongation: 750%  
 Shrinkage: Negligible  
 Tensile strength: 2.4 MPa  
 Tear resistance 14.8 KN/m

Above data are typical properties. Individual batches may vary to a minor degree.

## Installation:

Joint Design: Suitable for all properly designed joints following accepted engineering practices. Joint width must be a minimum of 4 times the anticipated movement.

## Surface Preparation:

All joints must be absolutely clean. For concrete, sandblasting is recommended. All curing compounds, old sealants, grease, waterproofing compounds, etc. must be removed. Equus Closed Cell PE Backer Rod is

recommended as a joint-filler and backup material. Fillers treated with bituminous products, grease or oil, must not be used. Where present, they must be removed or separated by vinyl tape or polyethylene film. All adhesion surfaces must be primed with Gardtex 150 Primer or Poxypriime.

## Application:

Apply by caulking gun, hand or pressure-type or pour from container. Bulk sealant can be applied by pumping equipment, trowel or putty knife. Press firmly into joint to ensure good contact and tool to a smooth surface to eliminate any air pockets.

## Product Warranty:

All products proven to be defective in manufacture will be replaced at no charge. Since the use of these products is beyond our control we cannot assume any risk or liability for results obtained, nor can we accept damages in excess of the purchase price of these products.

## Maintenance:

If **Gardtex Type R** is damaged, and the joint has not been contaminated, it can be repaired by cutting out that part and resealing it with **Gardtex Type R**.

		WIDTH OF JOINT						
		6mm	8mm	10mm	12mm	15mm	20mm	25mm
DEPTH OF JOINT	6mm	165	125	100	-	-	-	-
	8mm		93	75	62	-	-	-
	10mm			60	50	40	30	-
	12mm				41	33	24	20
	15mm					26	20	16
	20mm						15	12
	25mm							9.5
	<b>Linear metres per 6 litre (nominal) unit</b>							

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