




## MasterSeal Roof 2689

**Crack-bridging, spray applied, mechanically, chemically and highly wear resistant 2-C-Polyurea waterproofing system, ETA-17/0508 accor. to ETAG 005 part 6**

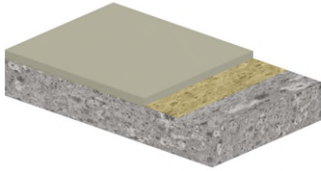
Fields of application: waterproofing of flat roofs, balconies, terraces, podium decks, reservoirs, secondary containment & water structures.

		Consumption
		Approx.
	<b>Primer</b>	
	<b>MasterTop P 622 (for concrete)</b>	0.3 – 0.5 kg/m <sup>2</sup>
	(depends on substrate, consult Technical Service please)	
	<b>Waterproofing</b>	
	<b>MasterSeal M 689</b>	min. 2.4 kg/m <sup>2</sup>
	<b>Liquid applied</b>	
	Pigmented, 2-component 100% pure Polyurea, spray applied	
	<b>Topcoat</b>	
	<b>MasterSeal TC 269</b>	1 x 0.15-0.20 kg/m <sup>2</sup>
	(optional)	
	Pigmented, two component, UV-and weather resistant, elastic PU topcoat, solvent containing	

**Note:** Consumptions are indicative and may be higher, depending on substrate roughness, temperature and porosity, as well as waste produced during application.

The waterproofing system fulfills the requirements regarding following properties (approved internally and externally):

Property	Referring to:	Unit	Result
Shore-A-Hardness	DIN 53505		95
Shore-D-Hardness	DIN 53505		45
Tensile strength	DIN 53504	N/mm <sup>2</sup>	21
Elongation	DIN 53504	%	425
Tear strength	DIN 53515	N/mm	58
Fire behaviour floor	DIN EN 13501-1		C <sub>FL</sub> -s1
Fire behaviour roof	DIN EN 13501-5		Broof-T4
Water vapour permission rate	DIN 53122	g/mm(m <sup>2</sup> )(24 h)	16.5
Taber abrasion	DIN 53516	mg	140



## MasterSeal Roof 2689

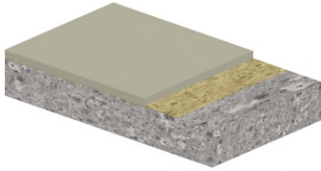
**Crack-bridging, spray applied, mechanically, chemically and highly wear resistant 2-C-Polyurea waterproofing system, ETA-17/0508 accor. to ETAG 005 part 6**

Fields of application: waterproofing of flat roofs, balconies, terraces, podium decks, reservoirs, secondary containment & water structures.

### CE-MARKING EN 1504-2

<b>CE</b>	
1119	
Master Builders Solutions Deutschland GmbH Donnerschweer Str. 372, D-26123 Oldenburg	
08	
468901	
EN 1504-2:2004	
Surface protection product - coatings EN 1504-2: ZA.1d, ZA.1f and ZA.1g	
Abrasion resistance	≤ 3000 mg
Permeability to CO <sub>2</sub>	Sd > 50
Permability to water vapour	Class I
Capillary absorption and permeability to water	< 0.1 kg/(m <sup>2</sup> xh <sup>0.5</sup> )
Thermal compatibility after freeze-thaw cycling	≥ 1.5 N/mm <sup>2</sup>
Resistance to severe chemical attack	Reduction of hardness < 50 %
Crack bridging ability	B 4.2 (-20° C)
Impact resistance	Class III
Adhesion strength by pull-off test	≥ 1.5 N/mm <sup>2</sup>
Reaction to fire	C <sub>fi</sub> -s1 Broof-t4
Skid resistance	NPD

NPD = No performance determined



## MasterSeal Roof 2689

**Crack-bridging, spray applied, mechanically, chemically and highly wear resistant 2-C-Polyurea waterproofing system, ETA-17/0508 accor. to ETAG 005 part 6**

**Fields of application: waterproofing of flat roofs, balconies, terraces, podium decks, reservoirs, secondary containment & water structures.**

### DISCLAIMER

In view of widely varying site conditions and fields of application of our products, this technical data sheet is meant to provide general application guidelines only. This information is based on our present knowledge and experience. The customer is not released from the obligation to conduct careful testing of suitability and possible application for the intended use. The customer is obliged to contact the technical helpline for fields of application not expressly stated in the technical data sheet under "Fields of Application". Use of the product beyond the fields of application as stated in the technical data sheet without previous consultation with Master Builders Solutions and possible resulting damages are in the sole responsibility of the customer. All descriptions, drawings, photographs, data, ratios, weights i.e. stated herein can be changed without advance notice and do not represent the condition of the product as stipulated by contract. It is the sole responsibility of the recipient of our products to observe possible proprietary rights as well as existing laws and provisions. The reference of trade names of other companies is no recommendation and does not exclude the use of products of similar type. Our information only describes the quality of our products and services and is no warranty. Liability is accepted for incomplete or incorrect particulars in our data sheets only in the event of intent or gross negligence, without prejudice to claims under product liability laws.

**Master Builders Solutions Deutschland GmbH**  
Donnerschweer Straße 372  
26123 Oldenburg  
Germany

System build-up MasterSeal Roof 2689 – January 22  
Version 01