

MasterSeal® 665 (Formerly known as Masterseal® 465)

DESCRIPTION OF PRODUCT

MasterSeal® 665 is rubber modified bitumen emulsion based, one component, pasty consistency, high durability, ready to use, thick waterproofing coating.

Complies with EN 15814

FIELDS OF APPLICATION

- For vertical and horizontal applications
- For tanking soil covered foundations and curtain walls.
- For waterproofing of retaining walls.
- For bonding of insulation boards. (Perimeter insulation).

FEATURES AND BENEFITS

- Suitable for horizontal and vertical applications.
- Bridges shrinkage cracks with its elastic behaviour
- Ready to use
- Solvent free
- Longer pot life for extended workability
- Resistant to freeze thaw cycle
- Resistant to bacterial attacks, salts and acids in the soil.

APPLICATION PROCEDURE

Preparation of Substrate

Application substrate must be dry, sound, mainly smooth, clean and fine pored, free from honey combs, voids, cracks, ridges, dust, tar, pitch forming oil, old paint and other bond breaking residues. Wooden or iron wedges must be removed from the surface and active water leakages must be prevented with **MasterSeal® 591**. Voids and hollows must be filled with **MasterSeal® 591** or **MasterEmaco® S 488**. On vertical and horizontal corners fillet with min. 4 cm radius must be applied. Priming the substrate with diluted **MasterSeal® 665** mixture is highly recommended.

TECHNICAL DATA

Material	Rubber Modified Bitumen Emulsion
Color	Brown (after drying: black)
Consistency	Pasty
Density of Mixture	1,10 kg/lit
Substrate Temperature	+5°C +30°C
Temperature Resistance (after curing)	-20°C +80°C
Exposure to Water	~48 hours
Open (Working) Time	~2 hour
Curing Time	~24 hours

Obtained in +23°C, 50% relative humidity conditions. Higher temperatures decrease the time, lower temperatures increase the time.

Mixing

Ready to use product, however mixing before use is recommended to get homogenous consistency.

APPLICATION METHOD

Primer Application

Take enough amount of material and dilute 1: 3 or 1: 5 of water depending on the substrate absorbency. Mix with 400 - 600 rpm electric drill until lump free, homogenous consistency obtained. Apply equally on the substrate with a brush and do not allow accumulation on horizontal surfaces. Wait until the primer sufficiently cured before the first coat application. Apply **MasterSeal® 665** with trowel or spray equipment with the consumption mentioned on the coverage table.

Protection of the Coating

Wait until the waterproofing coating sufficiently cured before backfilling the excavation. **MasterSeal® 665** must be protected from damages during the backfilling with a suitable drainage or heat insulation boards. Sharp stones, rubbles and etc. are not suitable for excavation backfilling.

COVERAGE

Consumption per m ²	30 kg bucket
~3.00 kg/m ²	-10.0 m ²

WATCH POINTS

- Wait for the appropriate ambient and substrate temperature if it is less than 5°C or more than 30°C.
- Do not apply **MasterSeal® 665** under the rain or prediction of rainy weather.
- Application must be protected from direct sun light, wind, frost or rain in 24 hours.
- Working times of cement and bitumen emulsion based systems are affected from environmental and surface temperatures, and relative humidity in the air. In low temperatures the reaction slows down, and this increases working period and working time. High temperatures accelerate the reaction and the periods stated above decrease depending on this. In order to complete the curing of material, environmental and

MasterSeal® 665 (Formerly known as Masterseal® 465)

surface temperatures must not decrease below the minimum allowed temperature.

- Areas that are not fully cured must not be exposed to water.
- Coating has to be applied on the surfaces of structure or structure components that contact with water.
- **MasterSeal® 665** must be used within 1 hour after mixing.
- Do not use **MasterSeal® 665** inside the potable water tanks and swimming pools.

PACKAGING

30 kg plastic pails
220 kg barrel

STORAGE

Store in cool and dry conditions protected from frost. Palettes should not be placed on top of each other and the shipment should be made on a first come first go basis.

SHELF LIFE

24 months after the production date under appropriate storing conditions. **MasterSeal® 665** may freeze under 0°C. Tightly seal the cover of the opened pails and do not store more than one week.

HEALTH AND SAFETY PRECAUTIONS

Work cloth, protective gloves, goggles and masks concordant with Work and Worker Health rules must be used during the application. Due to irritant effects of the non-cured material, avoid contact to skin and eyes during storing and application. If such a contact occurs, it must be washed by soap and plenty of water. Consult a physician urgently if swallowed. Food and drink must be kept outside the application areas. Must be stored away from children. Please look at the Material Safety Data Sheet for detailed information.

DISCLAIMER

The technical information given in this publication is based on the present state of our best scientific and practical knowledge. **Master Builders Solutions Yapı Kimyasalları Sanayi ve Ticaret Ltd. Şti.** is only responsible for the quality of the product. **Master Builders Solutions Yapı Kimyasalları Sanayi ve Ticaret Ltd. Şti.** is not responsible for results that may occur because the product is used other than advised and/or out of instructions regarding the place and the method of use. This technical form is valid only till a new version is implemented and nullifies the old ones.

CONTACT INFORMATION

Master Builders Solutions Yapı Kimyasalları Sanayi ve Ticaret Ltd. Şti.

Adres: Barbaros Mah. Begonya Sok.

Nidakule Kuzey Ataşehir, C Kapısı

No:3 E/5, 34746 Ataşehir İstanbul / Türkiye

Tel: 0216 217 88 00

Mail: mbs.tr@mbcc-group.com

Web: www.master-builders-solutions.com/tr-tr

® Registered trademark of a MBCC Group member in many countries of the world

MasterSeal® 665 Technical Data Sheet -Revision Date: 06/2022

 2164	
Master Builders Solutions Yapı Kimyasalları Sanayi ve Ticaret Ltd. Şti. Barbaros Mah. Begonya Sok. Nidakule Kuzey Ataşehir, C Kapısı No:3 E/5, 34746 Ataşehir İstanbul 20 DOP NO: 03.15814.004 EN 15814:2011+A2:2014 MasterSeal 665 Zemin altı yapılarda binaların su yalıtımı için kullanılan polimer modifiye bitümlü kalın kaplamalar (PMBC) (Polymer modified bituminous thick coatings (PMBC) used for the waterproofing of buildings in below ground structures)	
Çatlak Köprüleme Yeteneği (Crack Bridging Ability)	Sınıf CB 2 (Class CB 2)
Su Dayanımı (Water Resistance)	Geçti-Suda renklenme yok ve dolgudan ayrılma olmaz (Passed- No colouration of the water and No debonding from inlay)
Düşük sıcaklıkta esneklik (Flexibility at Low Temperature)	Geçti-Çatlak yok (Passed - No cracks)
Yüksek Sıcaklıkta boyutsal kararlılık (Dimensional stability at high temperature)	Geçti-Kayma veya akıtma yok (Passed-No sliding or draining down)
Su Geçirmezlik (Watertightness)	Sınıf W1 (Class W1)
Su geçirmezliğin dayanıklılığı ve yangına tepki (Durability of watertightness and reaction to fire)	Geçti (Passed)
Yangına tepki (Reaction to fire)	E