

# MasterSeal CR 460

Two-component, pourable polyurethane sealant for Ucrete sand systems.

## MATERIAL DESCRIPTION

MasterSeal CR 460 is a two-component self-leveling polyurethane sealant for applications by simple casting.

## FIELDS OF APPLICATION

MasterSeal CR 460 can be used as a shrinkage joint sealant in resin floors, where the combination of chemical resistance and resistance to heavy traffic is required. MasterSeal CR 460 is typically used in specific Ucrete environments ie food, chemical, pharmaceutical industries.

## FEATURES AND BENEFITS

MasterSeal CR 460 is characterized by:

- ease of use;
- high durability;
- good chemical resistance (consult the specific chemical resistance table for further details);
- water resistance;
- resistant to atmospheric agents;
- is not solvent based.

## THEORETICAL CONSUMPTION

The values indicated are theoretical and depend, above all, on the regularity of the joint.

Joint dimension	Consumption	
	kg/m	m / pack
mm		
7 x 5	0,06	55
10 x 6	0,10	30
15 x 10	0,24	13
20 x 10	0,32	9
30 x 15	0,72	4

## PACKAGING

MasterSeal CR 460 is available in cream, green, gray, orange, red, yellow, blue colors in the following packaging and size:

Product	Component	Pack	Kg
MasterSeal CR 460	A	Can	2,822
	B	Can	0,178
	A+B		3

## STORAGE

Store the material in the original containers, in a dry and covered place at a temperature between 15 and 25°C. Do not expose to direct sunlight.

Technical data	
Tensile strength ISO R527	1.6 - 2.0 MPa
Movement skills	± 25%
Shore A hardness, DIN 53505	about 80
Density DIN 53479	1.55 - 1.6 kg / liter
Useful life at 20°C	100 - 120 minutes
Light traffic	After 24 hours
Heavy traffic	After 48 hours

## APPLICATION SHEET

For every detail relating to the application aspects, preparation of the substrate, temperature, etc., always refer to the specific document "Ucrete Application Guide".

## TEMPERATURE

The application can take place when the ambient temperature is between + 5°C and + 40°C.

## APPLICATION

Before sealing the joint with MasterSeal CR 460, insert a MasterSeal 920 type joint bottom into the cavity to isolate the underlying part of the joint from the concrete.

Using a low speed stirrer (about 400 rpm), mix the contents of part 1 of MasterSeal CR 460 for about 30 seconds, add part 2 and mix for 1 or 2 minutes until a homogeneous system is obtained. Do not mix at high speeds to avoid entrapping air. It is recommended that only complete units be used.

Apply MasterSeal CR 460 filling the cavity up to the surface, taking care to leave a slight bump above the joint to compensate for the minimum shrinkage. If bubbles are created, remove them with a spatula.

## TIPS AND PRECAUTIONS

Cleaning of the equipment must take place away from the application area. Xylene or polyurethane thinners can be used for cleaning tools and for accidental spills that must be recovered with sawdust or other absorbent material.

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Handle the containers with the material carefully and avoid spreading adjacent to the treated area.

Part 2 contains small parts of isocyanate (MDI). The removal must therefore take place with a solution of sodium carbonate diluted to 5%.

Regular cleaning and removal of any spills extend the life of the surface.

## CE MARKING

Masterseal CR 460 is a chemically resistant sealant. It has been designed to be used in combination with Ucrete floors for sealing and waterproofing areas subject to the spread of aggressive substances. This specific field of application is not envisaged by UNI EN15651-4 and for this reason the MasterSeal CR 460 product is not subject to the CE marking.

## WARNINGS

MasterSeal are products for professional use. For further information, consult the Master Builders Solutions Italia Spa area technician.

## SAFETY INSTRUCTION

For information on the correct and safe use, transport, storage and disposal of the product, consult the most recent Safety Data Sheet.

## OTHER SERVICES

For price analysis, specifications, supplementary brochures, references, reports and technical assistance, visit the website [www.master-builders-solutions.com/it-it](http://www.master-builders-solutions.com/it-it) or contact [infomac@mbcc-group.com](mailto:infomac@mbcc-group.com).

Scan the QR code to visit the product page and download the latest version of this datasheet.



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Since 16/12/1992, Master Builders Solutions Italia Spa has been operating under a Certified Quality System compliant with the UNI EN ISO 9001 Standard. Furthermore, the Environmental Management System is certified according to the UNI EN ISO 14001 Standard and the Safety Management System is certified according to the UNI ISO 45001 Standard.

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For further information, please consult the local Technician of Master Builders Solutions. The technical advice on how to use our products, either written or verbally given, are based on the current state of our scientific and practical expertise, and does not imply the assumption of any guarantee and/or responsibility for the final results of works executed using our products.

Therefore, the customer is not exempted from the exclusive task and responsibility of verifying the suitability of our products for the intended use and purposes.

This version supersedes all the previous ones.