Technical Data Sheet

X-Roc CrackSeal 2

Flexible UV resistant crack sealant

Product Description

X-Roc CrackSeal 2 is a 100% solids, two-component, flexible polyurethane crack sealant designed for surface repair of cracks in concrete and asphalt. It is also suitable for sealing multiple cracks and treating crack-prone areas, particularly at locations subject to higher cracking potential.

Advantages

- Chemical resistant
- Abrasion Resistant
- Flexible
- Tough and durable
- Formaldehyde-free
- Suitable for use in food processing areas
- Easy to use
- Paintable
- Excellent tear, vibration and weathering resistance
- High bond strength
- Primer not required

Laboratory Test Data

Property	Typical Results
Movement accommodation factor	>10%
Tensile strength	1.7 to 2.1MPa
Elongation	200% to 250%
Shore Hardness	60 ± 10

Variations can be expected in the field.

Application Properties

Application temperature	10 to 40C
Service temperature	-5 to 60C
Return to service at 25C	24h
Pot life at 35C	45 minutes

Specification Compliance

SCAQMD Rule 1168
LEED NC2009 IEQ 4.1

Chemical Resistance

Gasoline	Slight surface change, no hardness loss
Diesel Fuel	No visible damage
H_2SO_4 (20%)	Slight surface change, no hardness loss
HCl (10%)	No visible damage
NaOH (50%)	Slight surface discoloring, no hardness loss
Acetic Acid (10%)	No visible damage

Volatile Organic Content

VOC = 0

Color

Grey and Black.
Other colours available subject to minimum order quantities.

Packaging

5 kg per Mixing.

Shelf Life

12 months when stored unopened at between 15 and 32C under shade in a dry environment.

Installation Guidelines

NCC X-Calibur provides detailed method statements on all its products for use in various applications. These must be referred to prior to starting work. The information below is a summary intended for guidance only.

Preparation

The substrate must be structurally sound. Loose or unsound concrete should be removed and made good. Surfaces must be entirely free of oil, grease, paint, corrosion deposits, dust, laitance or other surface deposits.

Priming
Priming is normally not required on properly prepared concrete surfaces. When maximum adhesion is required, prime the joint edges with X-Shield SF Primer.

Mixing
Condition material between 18 and 35C before use for ease of application. Pre-mix base component. Mix base and hardener thoroughly for 3 minutes with a drill and paddle. Scrape the sides and bottom of the bucket while mixing.

Crack Sealing
X-Roc CrackSeal 2 can be applied by pouring the mixed material into the joint or using a conventional caulking gun. Completely fill the joint in one pass, slightly overfilling it. Strike off level and remove any excess material before it hardens.

Limitations
Do not store at below 15C or above 32C.
Minimum age of concrete should be 28 days before application.

Health and Safety
This product is for industrial use only by trained operatives. It is potentially hazardous if not used correctly. Please refer to the Material Safety Data Sheet (MSDS) prior to the purchase and use of this product. The MSDS can be obtained via our website www.ncc.com.eg

Authorized Technical Specialist
Please note that only NCC X-Calibur Authorized Technical Support Specialists ('ATSs') are permitted to change any of the information in this data sheet or to provide written recommendations concerning the use of this product. Visit www.ncc.com.eg for a full list of NCC X-Calibur ATSs.

Datasheet Validity
NCC X-Calibur makes modifications to its product datasheets on a continuous basis. Please check the datasheet update section on www.ncc.com.eg to ensure you have the latest version.

Warranties
NCC X-Calibur supplies products that comply with the properties shown on the current data sheets. In the unlikely event that products supplied are proved not to comply with these properties, then we will replace the non-compliant product or refund the purchase price. NCC X-Calibur does not warrant or guarantee the installation of the products as it does not have control over the installation or end use of the products. Any suspected defects must be reported to NCC X-Calibur in writing within five working days of being detected. NCC X-Calibur Construction Chemistry Inc. makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties express or implied. NCC X-Calibur Construction Chemistry Inc. shall not be liable for damages of any sort including remote or consequential damages, down time, or delay.