

CC 60 NR | CHEMICAL CURE SOLID MATERIAL BASED ON NATURAL RUBBER

CC 60 NR is an excellent grade, chemical cure 60 Shore A Hardness Natural Rubber, used in moderate to aggressive wet/slurry abrasion and wear applications.

PRODUCT OVERVIEW

- Typical applications include lining of tanks, launders, underpans, pipes, and chutes.
- Optimum cure 10-14 days @ 23°C (min)
- All applications should be done in accordance with SANS 1201:2005 specifications.



PHYSICAL PROPERTIES

STANDARD FEATURES

- 01 Roll Width:** 1200mm–1450mm wide (custom on request)
- 02 Thickness Range:** 1.5mm–10.0mm
- 03 Length Range:** 10 or 12m (custom on request)
- 04 Available Colours:** Black
- 05 Packaging:** Red Embossed Plastic



RECOMMENDED STORAGE CONDITIONS:

Store below 23°C on suspended racks or shelving to avoid creasing, damage, and flat spots. Typical values may vary by batch and application and are not a performance guarantee. Users must confirm material suitability before use.

DESCRIPTION	NATURAL RUBBER (NR)
Hardness (SANS 10048)	60±10 Shore A
Specific Gravity (S.G)	1.20 (±0.2) g/cm ³
Elongation At Break (SANS 10037)	400% (min)
Tensile Strength (SANS 10037)	14 Mpa (min)
Classification (SANS 1198-2005)	Type I Grade B Class 60
Tear Strength (ISO 34:2022)	N/A
Abrasion Loss (ISO Method B)	N/A
Temperature Range	Minus 5°C to 70°C
Shelf Life @23°C	6 weeks from manufacture date

MATERIALS TESTING

STANDARD TESTING INCLUDES:

- ✓ Rheometer & SG Testing
- ✓ E@B Testing
- ✓ Tensile Testing
- ✓ Mooney Viscosity

OPTIONAL TESTING ON REQUEST:

- ✓ Abrasion Resistance
- ✓ Compression Set
- ✓ Rebound Resilience

ADHESION SYSTEM

NON-UV RESISTANT

Uncured Rubber to Metal

 **HeroBond®080 (Orange Primer)** 10-11m2
Minimum drying time 30 minutes

 **HeroBond®082 (Black cover coat)** 9-10m2
Minimum drying time 30 minutes at room temperature

 **HeroBond®086 (Black tie coat)**
1 coat 6,2 sq.m/litre 2 coats 3,1 sq.m/litre
One coat on steel, one coat on rubber

UV RESISTANT

 **HeroBond®089 Green Primer** 11m2
1 hour to dry in-between

 **HeroBond®090 Red Cover Coat** 20m2



NOTE:

- Although the above-mentioned physical properties can be achieved, typically these results are achieved in ideal and controlled laboratory conditions. These may vary with in field results where temperature, cure systems and many other factors may influence the results.
- The handling precautions above are limited to general recommendations based on information obtained from suppliers of individual compounding ingredients.
- Information is given with the understanding that the manufacturer will satisfy themselves that precautions to health and safety hazards presented by their conditions of use are adequate.
- Since conditions of product and disposal is outside our control we make no warranties, express or implied, and assume no liability in connection with any use of this information.