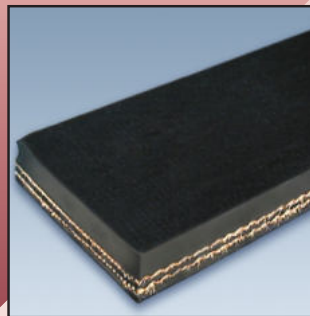


Continuous Material-Mover use of Conveyor **Rubber Belt**

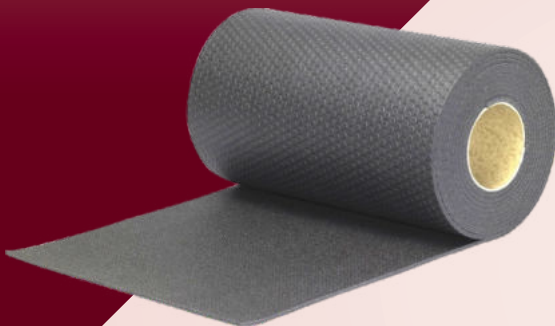
Made in India



Textile Ply as per IS 1891,
ISO 4195, SANS 1173 Open Ends



Chevron V Cleat C15
Pattern per DIN 22102



Endless Shot Blasting hot
vulcanized per IS 1891

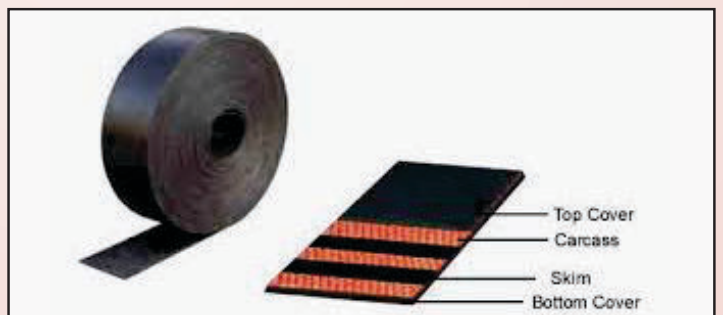


Conveyor Belt
Packed Roll

**PERFORMANCE MEETS
ANTI-ABRASION CARRYING
FEATURES**

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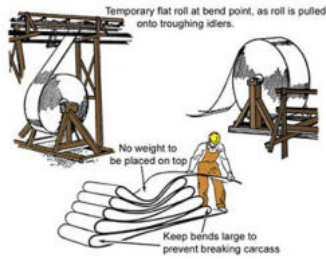
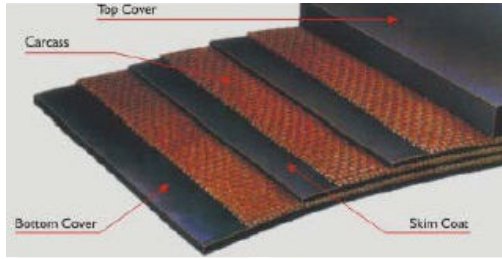
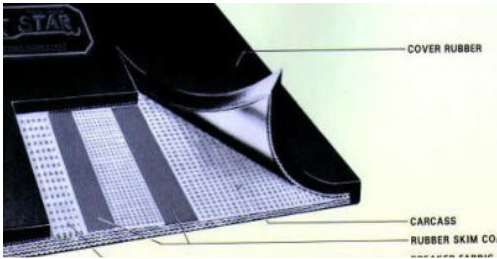
Elevator Belt per AS 4035



Installation & Warranty Information

HIC
UNIVERSAL
True Performance Rubbers

Wish
Non-Stop Safe
Transport of
Bulk Materials



Manufacturing Range at: www.UniversalDelhi.org
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Thank You for Purchasing HIC "UNIVERSAL" Heavy Duty Conveyor Belt

HIC International Co.'s Manufactured Quality Wear-proof Synthetic and Natural Rubber blended Textile Layers of Polyester or Nylon dipped fabric Conveyor Belt and Elevator Belting superseding IS: 1891, BS: 490, DIN: 22102, ISO 4195, JIS 6324, Australia - AS 4606, UK - BS 8407, Germany DIN 22103, IS 3181, ISO 340, ISO 1554, CAN / CSA M 422 - M87 Type - C, FRAS - C grade quality standards, High Abrasion and Temperature Resistant Materials Movement aspect Advantage assures Long Life Reliability.



Continuous Materials Get Moving Rubber Conveyor Belt Tips

- 1. Rubber Belt Rolls or Reels Handling** be done by mounting on a suitable shaft for unrolling and threading onto the conveyor. Then, through hoisting by a bar passing through the hole in center of the belt roll, and, Chains or cables looped around the bar ends be provided with a spreader above roll to avoid damage to belt edges.

Consequently, in mounting the roll, belt must lead off the top of the roll if it is being pulled onto the troughing or carrying idlers, but it must lead off the bottom of the roll if it is being pulled onto the return idlers. When pulling the belt onto the conveyor or radial stacker, the roll will turn opposite the direction.

In some cases, such as in **Mines**, where head room does not permit maneuvering a roll, the belt may have to be pulled off the roll and re-fed. Extreme care should be exercised to see that the loops have large bends to avoid kinking or placing undue strain on the belt, and no weight should ever be placed on the belt when it is in this position. Another method of handling belting under such conditions is to lay the roll on a turntable with a vertical spindle.
- 2. Pulley Size** of head 400mm & tail 315mm min be used up to 5.5mm inner thickness of 3/4ply belt and not less than min. diameter suggestions else ply separation & slippage problem can happen.
- 3. Materials Build-up** on pulleys & idlers should be removed periodically to avoid belt damage & misalignment.
- 4. Endlessing** be done in V-shaped using Hot Vulcanizing compound joined squarely, else belt will run to one side or off-center. Use mechanical belt fasteners only on 25% more strength belt rating than your application, else life will reduce.
- 5. Water Sprinkling** for UHR and SHR grade belts (ordering thicker rubber cover) be done at tail pulley for better life & never stop belt loaded with hot material.
- 6. Unhampered Production** even if Blemishes or patches are visible at times, nothing to interfere performance. Similarly, Wrinkles are also not inner ply fabric used but liner cloth & cellophane paper impression marks of belt curing press, be left unattended. 7. Edges manufactured are Cut for NN & EP fabric Ply, however, **Moulded** type also produced in 1000 mm Width and above, having no significant durability issue for rubber Bonded **edges**. As such, Polyester (EP) & Nylon (NN) dipped fabrics used are Rot-proof and erratic in behavior, meaning which, expands width-wise & contracts length-wise in few days of manufacture, due to which after belt gets cooled down, sides of belt which otherwise being cured Moulded edges, being slit down to **CUT** Edges to make the belt straight on winding table.
- 8. Joints** in fabric ply at times are used of usually higher strength, be it longitudinal or transverse, nothing to interfere overall belt performance.
- 9. Belt Strength rating** of 3ply Nylon fabric min. (type315/3) up to 800 kg/m³ material bulk density for max. 800mm belt width & min. 4ply NN (strength 630/4 KN/m) up to 1500kg/m³ manufactured for max. 1200mm W be used, though carrying capacity, speed, etc. factors be considered.
- 10. Cover Rubber Grade Usage** of **GENERAL PURPOSE ABRASION RESISTANT- M/ W/ X** with Min. Top 3mm & 1.5mm Bottom for abrasive materials movement at **ambient temperature**, but for sharp & abrasive - Min. 5mm on Face/ Top be used ;

HOT foundry sand and other materials >65°C up to 120°C temp., 4x2mm covers Min. HIC BLAZE (HR) be used;

SUPER HEAT fine sand and other materials handling up to 150°C, 6x2.5mm Min. covers HIC BETAPLUS (SHR, T2) be used;

SUPERIOR HEAT Hot clinker and other materials movement up to 180°C, 7x3mm Min. covers HIC SUN (SHR, T3) be used;

ULTRA Hot materials conveying up to 210°C, 8x4mm Min. covers HIC ALPHAPLUS (UHR) EPDM rubber quality be used;

HYGIENIC Off-White Food with Min. Top 4mm & 2mm Bottom for Sugar, Tea, Oily Grains and other foodstuffs transfer be used;

Fire Resistant (FR) with Min. Top 5mm & 2mm Bottom for Lignite Coal, Sulphur and other flame risky moving materials be used.
- 11. Conveyor Belt Tracking** be ensured by aligning the belt onto the correct path to avoid the belt-slipping to one side or another or uneven belt wear.
- 12. ELEVATOR Belt and Bucket installation** with high lifting height, large capacity for transporting granular, dry gravel, wet soda powder, etc. keeping bulk density below 1.4 Ton/m³ and maintaining bolt connection such that:

 - a) two ends of the rubber cloth is according to corresponding curtain cloth layer cutting into staircase shape, joint length being 1-2 times of the width;
 - b) tape when adopts a bolt or a glued joint, is lapped along the direction of the belt running way;
 - c) belt needs to be pre-tensioning, the pretension should be 1.5-2 times of working tension, keeping duration of 24 hours pretension time.
 - d) lap length should span 3 buckets, and the distance between connecting bolt axis and the end of tape is 75mm(=3 inch) or more, while bucket installation at the joint.

Size Variation (+, -1.5% Width; +, -10% Thickness; +5%, -1% Length) as per HIC manufacturing tolerance should be acceptable.

Disclaimer: Information's, written and verbal are provided by HIC, relative to its **rubber conveyor belt** which it determines to be reliable & no liabilities of whatsoever nature in regards to its uses. The purchaser of HIC UNIVERSAL brand **conveyor rubber belts and elevator belting** should determine for itself the suitability of such rubber products.



Why HIC Universal

Conveyor Rubber Belt?



Super Wear Resistant Textile RMA General Purpose M, N, Z

Aids Anti-Abrasion Transport of Stone, Iron Ore, Urea, Bagasse, Pulp

Superb Bonding Multi-Ply EP, Nylon Fabric SBR Heat Resistant

Permits Temp. Up to 150° C Materials Conveying in Smooth & Chevron Pattern

Excellent Fire Resistant Anti-static Neoprene FRAS

Aids Safe Conveying in Underground Coal Mine, Power Station, Sulphur

Ultra Heat Resistant High Tensile Strength EPDM UHR

Allows Hot Temperature Cement Clinker, Ash Handling up to 210° C

Food Grade Non-Toxic Open and Endless NBR Hygienic

Helps Safe Conveying of Sugar, Salt, CTC Tea, Oily Animal Feed, Seafood



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WARRANTY CERTIFICATE

The goods tailor-made, supplied as per buyer's P.O. specifications is warranted against any manufacturing defects for 12 months from the date of Invoice, and assume liability of repairing free of cost in the event of any manufacturing defects.

HIC Int. shall be under no liability in respect of any defect in the goods arising from any drawing, design or specification supplied by the Client. Goods claimed to be in default must be returned to HIC's factory at client cost; cost for return transport prepaid.



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Movement**