

**BUREAU OF INDIAN STANDARDS**

**DRAFT FOR COMMENTS ONLY**

(Not to be reproduced without permission of BIS or used as an Indian Standard)

---

**DRAFT AMENDMENT NO. 1**

**TO**

**IS 15523: 2018 AUTOMOTIVE TYRES —PRECURED PATCHES FOR REPAIRING CROSS PLY/ RADIAL  
TYRES AND INNER TUBES — SPECIFICATION  
(First Revision)**

ICS: 83.160.10

---

Automotive Tyres, Tubes and Rims Sectional Committee, TED 7

Last Date for Comments: **27/07/2024**

**DRAFT AMENDMENT NO. 1  
TO  
IS 15523: 2018 AUTOMOTIVE TYRES —PRECURED PATCHES FOR REPAIRING  
CROSS PLY/ RADIAL TYRES AND INNER TUBES — SPECIFICATION**

(Page 1, Clause 1) — Substitute the following for the existing:

‘This standard prescribes the requirement for precured repair patches intended for repairing pneumatic tyres both radial and bias ply and also inner tubes for tyres.’

(Page 1, Clause 3.1.2) — Substitute the following for the existing:

‘**3.1.2 Hot or Precure Process** — When using repair patches while retreading, the inside of the tyre can be treated with black vulcanizing cement whereas the patch has to be given a coat of chemical vulcanizing cement. Some repair patches may only require the use of a chemical vulcanizing fluid without the use of black vulcanizing cement.’

NOTE — Patch with face gum bottom layer is compatible with the retread system, it can be treated with black vulcanizing cement when used with heat in conventional or precure retreading.

(Page 2, Clause 3.7) — Insert the following after 3.7:

‘**3.8 Repair Material** — Specifically designed material (repair units, repair gums, cements, etc.) used during the repair process of a tyre or tube.

**3.9 Repair Plug** — Specifically designed material (stems, repair gums, cements, etc.) used during the repair process of a tyre.

**3.10 Repair Sealant** — Liquid or semi-solid materials used to cover over-buffed areas around repair units.

**3.11 Repair Unit (PATCH, PLUG, PATCH/PLUG COMBO)** — A specially designed unit made of fabric and/or rubber that is applied to a tyre or tube to restore tyre and/or tube integrity.’

(Page 3, Clause 6.4) — Substitute the following for the existing:

‘**6.4 Storage area** shall preferably be cool and dry. The surrounding area temperature shall not exceed ambient temperature. The maximum ambient temperature in the storage shall be 25°C for uncured repair material.’

[Page 4, Clause 8.2 e)] — Insert the following after 8.2 e):

‘f) Warning or caution indication;  
g) Precautions to use; and  
h) Hazardous ingredients.’

[Page 4, Clause 8.3] — Substitute the following for the existing:

‘a) For tube patch:

- 1) Manufacturer's trade-mark;
- 2) Size;
- 3) Month and year of manufacturing, and
- 4) Expiry date.

b) For tyre patch:

- 1) Manufacturer's trade-mark;
- 2) Type of patch and its size;
- 3) Arrow indicating the direction of fitment;
- 4) Month and year of manufacturing; and
- 5) Expiry date.'