

PREMA

PREMA SEAL / PREMA REIFENDICHTMITTEL

PREMA SEAL application instructions

Field of application: PREMA SEAL is designed to be introduced into tube-type or tubeless tyres as a preventive tyre sealant so as to seal small tread punctures which may occur later. Its application area covers mainly tyres on vehicles which are designed for a maximum speed of 60 km/h and are used in agriculture and forestry, or on construction machines etc. The relevant national directives must be complied with, such as in Germany for a maximum speed of 40 km/h.

Required quantity: The quantities indicated are only guidelines resulting from tests and calculations. The actually required quantities may vary according to the sizes and makes of the different tyres. For a tyre whose size is not specified in the table, use the quantity which is appropriate for the nearest tyre size specified. The required quantity is measured by the number of pump strokes (100 ml per one stroke).

Filling: Jack the vehicle up (with a jack or another suitable tool) until the tyre to be filled is free from any load. For this purpose, make sure that the vehicle has a stable mount, and observe the general safety instructions. Completely release the air pressure in the tyre by removing the valve core.

Connect the hand pump adapter to the valve, then introduce the required quantity into the tyre with several even pump strokes. Then remove the adapter, clean the valve seat with a blast of compressed air, and replace the valve core. Inflate the tyre to the necessary operating pressure.

Water-filled tyres: PREMA SEAL cannot be used for water-filled tyres. Completely remove all the water contained in the tyre/tube in question before filling it with PREMA SEAL.

Mixing: Do not mix or use PREMA SEAL with other sealants; otherwise PREMA SEAL may lose its sealing effect.

Tyre repair: PREMA SEAL seals tyre punctures, but like all tyre sealants, does not reinforce the damaged area of the casing; this is why you should check the tyre periodically for visible damage, and have such damage repaired durably at once. If repairing is necessary, remove PREMA SEAL from the tyre (e.g. with a vacuum), also clean the repair area, e.g. with PREMA Pre-Buff Cleaner. In case of recognizable tyre injuries or larger damages which can no longer be covered by PREMA Seal, the installation of a PREMA repair patch is necessary in order to comply with legal requirements in some countries, such as Germany etc.

Note: Always observe the safety instructions on the containers or on the safety data sheet. Use PREMA SEAL only in tyres on vehicles designed for a speed of up to and including 60 km/h. The relevant national directives must be complied with, such as in Germany on vehicles designed for a maximum speed of 40 km/h.

Anwendungshinweise zu PREMA SEAL

Einsatzbereich: Bei PREMA SEAL handelt es sich um ein, vorbeugend in den Reifen einzufüllendes, Dichtmittel welches evtl. später eintretende kleinere Stichverletzungen, im Laufflächenbereich von Schlauch und Schlauchlos-Reifen, abdichtet. Der Einsatzbereich umfasst insbesondere Reifen im Bereich der Land- und Forstwirtschaft, Baumaschinen etc. mit einer max. Betriebsgeschwindigkeit von 60 km/h. Länderspezifische Richtlinien sind zu beachten, z.B. in Deutschland mit einer max. Betriebsgeschwindigkeit von 40 km/h.

Füllmengen: Bei den angegebenen Füllmengen handelt es sich um Richtwerte, welche in Versuchen und/oder durch Berechnungen ermittelt wurden. Aufgrund von konstruktiver-Größenabweichungen zwischen den einzelnen Reifenfabrikanten können sich Abweichungen in der optimalen Füllmenge ergeben. Bei Reifengrößen welche in der Tabelle nicht aufgeführt sind, gelten die Füllmengen der nächst größeren Reifengröße. Die Füllmenge wird über die Anzahl der Pumpstöße, je Hub = 100 ml, bestimmt.

Befüllvorgang: Fahrzeug mit Wagenheber od. sonstigem geeigneten Hilfsmittel soweit anheben bis das zu befüllende Rad lastfrei ist. Hierbei auf ausreichende Standsicherheit des Fahrzeuges und allgemeine Sicherheitsvorschriften achten! Reifen durch Entfernen des Ventileinsatzes vollständig entlüften. Fülladapter der Handpumpe am Ventil anschließen und Reifen mit benötigter Menge durch gleichmässige Pumpstöße befüllen. Fülladapter anschließend entfernen, Ventilsitz kurz mit Druckluft spülen und Ventileinsatz wieder einsetzen. Reifen wieder auf notwendigen Betriebsdruck füllen.

Wasserfüllungen: PREMA SEAL kann nicht in Verbindung mit Wasserfüllungen verwendet werden. Ggf. im Reifen/Schlauch befindliches Wasser vor dem Befüllen restlos entfernen!

Vermischen: PREMA SEAL nicht mit anderen Dichtmitteln vermischen oder vermischt anwenden. Hierdurch kann es zum Verlust der Dichtwirkung kommen.

Reifenreparatur: Stichverletzungen des Reifen werden mit PREMA SEAL abgedichtet, jedoch findet hierbei bei allen Dichtmitteln keine Verstärkung der beschädigten Karkasse statt. Aus diesem Grund Reifen regelmäßig auf sichtbare Verletzungen untersuchen und diese umgehend vom Reifenfachmann dauerhaft instandsetzen lassen. PREMA SEAL im Falle einer notwendigen Reparatur aus dem Reifen entfernen (z.B. absaugen) und Reifen im Bereich der Reparaturstelle mit z.B. PREMA Pre-Buff Cleaner reinigen. Bei erkennbaren Reifenverletzungen bzw. größeren nicht mehr durch PREMA Seal abdichtbaren Schäden ist der Einbau eines PREMA Reparaturpflasters notwendig, um den gesetzlichen Bestimmungen in einigen Ländern, wie zum Beispiel Deutschland zu entsprechen.

Hinweis: Sicherheitshinweise am Gebinde bzw. im Sicherheitsdatenblatt stets beachten! PREMA SEAL nur in Reifen für Fahrzeuge bis Vmax. 60 km/h verwenden! Länderspezifischen Richtlinien sind zu beachten, z.B. in Deutschland für Fahrzeuge bis Vmax. 40 km/h!

Instructions for finding out the right quantity / Anwendungsempfehlung zur Bestimmung der Füllmenge

| Tyre size Reifengröße | Required quantity in litres Füllmenge in Litern | | Tyre size Reifengröße | Required quantity in litres Füllmenge in Litern | | Tyre size Reifengröße | Required quantity in litres Füllmenge in Litern | | Tyre size Reifengröße | Required quantity in litres Füllmenge in Litern | | Tyre size Reifengröße | Required quantity in litres Füllmenge in Litern | | | | | | | | | | |
|--------------------------|--|-----------|--------------------------|--|---------|--------------------------|--|--------|--------------------------|--|---------|--------------------------|--|--------|---------|--------|------------|--------|----------|--------|--------|--------|------|
| 15" | 4.00/5.00 | - 15 | 1,2 | 20"/20,5" | 13.5 | - 20 | 4,1 | | 15.5 | - 25 | 5,6 | | 480/70 | - 30 | 6,4 | | 420/85 | - 38 | 7,2 | | | | |
| | 6.5 | - 15 | 1,4 | | 14.5 | - 20 | 4,0 | | 16.00 | - 25 | 5,8 | | 520/70 | - 30 | 7,5 | | 460/85 | - 38 | 8,6 | | | | |
| | 12/65 | - 15 | 2,5 | | 260/80 | - 20 | 2,7 | | 17.5 | - 25 | 6,6 | | 600/70 | - 30 | 9,1 | | 520/85 | - 38 | 9,6 | | | | |
| | 14/65 | - 15 | 3,2 | | 275/80 | - 20 | 2,8 | | 18.00 | - 25 | 9,0 | | 650/70 | - 30 | 11,5 | | 650/85 | - 38 | 11,6 | | | | |
| | 66.5/80 | - 15 | 1,6 | | 335/80 | - 20 | 3,4 | | 20.5 | - 25 | 8,0 | | 540/65 | - 30 | 7,8 | | 540/75 | - 38 | 9,7 | | | | |
| | 7.5L | - 15 | 2,1 | | 13/80 | - 20 | 3,6 | | 21.00 | - 25 | 10,0 | | 380/85 | - 30 | 5,7 | | 650/75 | - 38 | 12,0 | | | | |
| | 14.5 | - 15 | 3,4 | | 355/80 | - 20 | 3,7 | | 23.5 | - 25 | 9,8 | | 420/85 | - 30 | 6,3 | | 480/70 | - 38 | 7,9 | | | | |
| | 11L | - 15 | 2,3 | | 365/80 | - 20 | 4,1 | | 26.5 | - 25 | 12,0 | | 460/85 | - 30 | 7,5 | | 520/70 | - 38 | 9,1 | | | | |
| | 7.50 | - 15 | 2,2 | | 280/85 | - 20 | 3,0 | | 29.5 | - 25 | 14,0 | | 710/55 | - 30 | 11,6 | | 580/70 | - 38 | 10,7 | | | | |
| | 8.25 | - 15 | 2,3 | | 320/85 | - 20 | 3,6 | | 385/95 | - 25 | 5,8 | | 420/90 | - 30 | 6,8 | | 620/70 | - 38 | 11,2 | | | | |
| | 10.00 | - 15 | 2,7 | | 340/75 | - 20 | 3,4 | | 395/80 | - 25 | 5,6 | | | | | | 710/70 | - 38 | 12,7 | | | | |
| | 250 | - 15 | 2,3 | | 375/75 | - 20 | 4,0 | | 445/95 | - 25 | 7,4 | | 30,5" | 600/60 | - 30,5 | | 8,8 | 800/70 | - 38 | 17,6 | | | |
| | 300 | - 15 | 2,5 | | 425/75 | - 20 | 4,9 | | 505/95 | - 25 | 9,0 | | | 650/65 | - 30,5 | | 11,1 | 400/75 | - 38 | 6,6 | | | |
| 27 x 8,50 | - 15 | 1,5 | 380/75 | - 20 | 4,4 | 575/95 | - 25 | 10,0 | 700/50 | - 30,5 | 10,1 | 540/65 | | - 38 | 8,8 | | | | | | | | |
| 27 x 10 | - 15 | 1,7 | 16/70 | - 20 | 4,8 | 445/80 | - 25 | 6,6 | 710/50 | - 30,5 | 11,1 | 600/65 | | - 38 | 10,0 | | | | | | | | |
| 28 x 9,00 | - 15 | 1,7 | 280/70 | - 20 | 2,7 | 525/80 | - 25 | 8,0 | 750/60 | - 30,5 | 11,1 | 650/65 | | - 38 | 10,8 | | | | | | | | |
| 31 x 11,50 | - 15 | 1,5 | 300/70 | - 20 | 3,1 | 605/80 | - 25 | 9,8 | 800/45 | - 30,5 | 12,0 | 600/60 | - 38 | 10,7 | | | | | | | | | |
| 33 x 12,5 | - 15 | 2,9 | 320/70 | - 20 | 3,5 | 555/70 | - 25 | 8,0 | 850/50 | - 30,5 | 12,5 | 650/60 | - 38 | 12,0 | | | | | | | | | |
| | | | 360/70 | - 20 | 3,9 | 625/70 | - 25 | 8,8 | | | | 710/60 | - 38 | 13,6 | | | | | | | | | |
| 15,3" | 10.0/75 | - 15,3 | 2,3 | 380/70 | - 20 | 4,0 | 705/70 | - 25 | 10,5 | 32" | 8.3 | - 32 | 3,1 | 270/95 | - 38 | 4,6 | | | | | | | |
| | 11.5/80 | - 15,3 | 2,5 | 400/70 | - 20 | 4,4 | 755/70 | - 25 | 12,5 | | 9.5 | - 32 | 3,3 | 290/90 | - 38 | 4,6 | | | | | | | |
| | 12.5/80 | - 15,3 | 2,6 | 405/70 | - 20 | 4,4 | 25/65 | - 25 | 9,2 | | 11.2 | - 32 | 3,9 | | | | | | | | | | |
| 16" | 4.50/5.00 | - 16 | 1,1 | 21" | 24 | - 21,0 | 8,7 | 26" | 14.9 | - 26 | 5,0 | 33" | 18.00 | - 33 | 9,8 | 39" | 37.5 | - 39 | 25,0 | | | | |
| | 5.50/6.00 | - 16 | 1,5 | | 22,5" | 9 | - 23 | | | 16.9 | - 26 | | 6,0 | 30,5" | 33.5 | | - 33 | 19,0 | 40.5/75 | - 39 | 25,0 | | |
| | 6.50/7.50 | - 16 | 1,8 | | | 10 | - 22,5 | | 3,2 | 18.4 | - 26 | | 7,2 | | 24.5 | | - 32 | 12,0 | 41.25/70 | - 39 | 27,2 | | |
| | 8.50 | - 16 | 1,5 | | | 12.5 | - 22,5 | | 3,7 | 23.1 | - 26 | | 9,3 | | 30.5 | | - 32 | 15,0 | 40/65 | - 39 | 23,0 | | |
| | 9.00 | - 16 | 2,5 | | | 13 | - 22,5 | | 3,8 | 28.1 | - 26 | | 11,5 | | 600/65 | | - 25 | 9,0 | 45/65 | - 39 | 29,8 | | |
| | 10.00 | - 16 | 2,7 | | | 15 | - 22,5 | | 4,1 | 30/65 | - 25 | | 11,3 | | 650/65 | | - 25 | 10,2 | 42" | 11.2 | - 42 | 6,0 | |
| | 11.00 | - 16 | 3,2 | | | 18 | - 22,5 | | 5,1 | 750/65 | - 25 | | 11,3 | | 670/80 | | - 25 | 12,0 | | 18.4 | - 42 | 9,5 | |
| | 10.5/65 | - 16 | 2,2 | | | 21 | - 21,0 | | 8,7 | 670/80 | - 25 | | 12,0 | | 1000/50 | | - 25 | 17,3 | | 20.8 | - 42 | 10,3 | |
| | 275/65 | - 16 | 2,2 | | | 22,5" | 10 | | - 22,5 | 3,2 | 1000/50 | | - 25 | | 17,3 | | 66 x 43.00 | - 25 | | 19,3 | 680/70 | - 32 | 11,7 |
| | 320/65 | - 16 | 2,6 | | | | 12.5 | | - 22,5 | 3,7 | 26" | | 14.9 | | - 26 | | 5,0 | 650/65 | | - 25 | 9,0 | 620/70 | - 42 |
| | 12.5/70 | - 16 | 2,9 | | | 13 | - 22,5 | | 3,8 | 16.9 | | | - 26 | | 6,0 | | 60/65 | - 25 | 10,2 | 680/75 | - 32 | 11,3 | |
| 260/70 | - 16 | 2,2 | 315/80 | - 22,5 | | 3,8 | 18.4 | - 26 | 7,2 | 650/65 | - 25 | 9,0 | 320/85 | | - 32 | 4,6 | | | | | | | |
| 280/70 | - 16 | 2,4 | 15 | - 22,5 | 4,1 | 23.1 | - 26 | 9,3 | 73 x 44.00 | - 32 | 21,9 | 230/95 | - 32 | 3,3 | | | | | | | | | |
| 111L | - 16 | 2,5 | 18 | - 22,5 | 5,1 | 28.1 | - 26 | 11,5 | 750/65 | - 25 | 11,3 | 270/95 | - 32 | 5,2 | | | | | | | | | |
| 9.0/75 | - 16 | 2,0 | 600/50 | - 22,5 | 7,4 | 520/75 | - 26 | 7,4 | 670/80 | - 25 | 12,0 | 30.5LR | - 32 | 11,0 | | | | | | | | | |
| 13.0/75 | - 16 | 3,0 | 500/60 | - 22,5 | 5,2 | 620/75 | - 26 | 9,5 | 1000/50 | - 25 | 17,3 | 33" | 18.00 | - 33 | 9,8 | 42" | 11.2 | - 42 | 6,0 | | | | |
| 250/80 | - 16 | 2,1 | 550/60 | - 22,5 | 5,7 | 480/70 | - 26 | 6,7 | 520/70 | - 26 | 7,5 | | 33.5 | - 33 | 19,0 | | 18.4 | - 42 | 9,5 | | | | |
| 8 | - 16 | 2,3 | 560/60 | - 22,5 | 5,8 | 520/70 | - 26 | 7,5 | 580/70 | - 26 | 8,0 | | 35/65 | - 33 | 18,0 | | 20.8 | - 42 | 10,3 | | | | |
| 9.5 | - 16 | 2,4 | 600/40 | - 22,5 | 6,1 | 620/70 | - 26 | 9,0 | 540/65 | - 26 | 7,0 | 2190 | - 33 | 10,1 | 650/65 | - 42 | 11,6 | | | | | | |
| 16,5" | 10 | - 16,5 | 2,5 | 700/40 | - 22,5 | 7,2 | 540/65 | - 26 | 7,0 | 620/70 | - 26 | 9,0 | 2190 | - 33 | 10,1 | 710/70 | - 42 | 14,0 | | | | | |
| | 12 | - 16,5 | 2,8 | 710/45 | - 22,5 | 9,1 | 750/65 | - 26 | 11,2 | 750/65 | - 26 | 11,2 | 2100 | - 33 | 11,5 | 480/80 | - 42 | 9,3 | | | | | |
| | | | | 24" | 8.3/9.5 | - 24 | 2,6 | 480/80 | - 26 | 7,3 | 26,5" | 600/55 | - 26,5 | 8,5 | 37.5 | - 33 | 23,8 | 460/85 | - 42 | 9,0 | | | |
| 17" | 15.0/55 | - 17 | 3,5 | | 11.2 | - 24 | 3,2 | 28" | 9.5 | - 28 | | 2,9 | 34" | 14.9 | - 34 | 6,5 | 44" | 8.3 | - 44 | 4,0 | | | |
| | 500/50 | - 17 | 4,9 | | 12.4 | - 24 | 3,6 | | 11.2 | - 28 | | 3,6 | | 16.9 | - 34 | 7,4 | | 9.5 | - 44 | 4,0 | | | |
| | 18" | 7.00/7.50 | - 18 | | 2,2 | 13.6 | - 24 | | 4,3 | 18.4 | | - 28 | | 4,7 | 18.4 | - 34 | | 7,6 | 11.2 | - 44 | 4,6 | | |
| | | 10.5/80 | - 18 | | 2,7 | 14.9 | - 24 | | 5,1 | 23.1 | | - 26 | | 9,3 | 2190 | - 33 | | 10,1 | 210/95 | - 44 | 3,8 | | |
| | | 12.5/80 | - 18 | 3,3 | 16.5 | - 24 | 6,2 | | 11.2 | - 28 | 3,6 | 520/75 | | - 34 | 8,2 | 230/95 | | - 44 | 4,0 | | | | |
| 250/80 | - 18 | 2,3 | 16.9 | - 24 | 6,2 | 12.4 | - 28 | 4,1 | 620/75 | - 34 | 10,4 | 270/95 | - 44 | 4,0 | | | | | | | | | |
| 275/80 | - 18 | 2,8 | 11.00 | - 24 | 3,2 | 13.6 | - 28 | 4,7 | 250/85 | - 28 | 3,0 | 30.5LR | - 32 | 11,0 | 710/60 | - 42 | 14,4 | | | | | | |
| 335/80 | - 18 | 3,3 | 12.00 | - 24 | 4,0 | 14.9 | - 28 | 5,7 | 280/85 | - 28 | 3,5 | 33" | 18.00 | - 33 | 9,8 | 44" | 8.3 | - 44 | 4,0 | | | | |
| 12.5/80 | - 18 | 3,1 | 13.00 | - 24 | 4,4 | 16.9 | - 28 | 6,4 | 320/85 | - 28 | 4,0 | | 33.5 | - 33 | 19,0 | | 9.5 | - 44 | 4,0 | | | | |
| 14.5/80 | - 18 | 3,1 | 14.00 | - 24 | 5,4 | 19 | - 28 | 6,6 | 340/85 | - 28 | 4,8 | | 35/65 | - 33 | 18,0 | | 11.2 | - 44 | 4,6 | | | | |
| 15.0/70 | - 18 | 3,2 | 385/95 | - 24 | 5,4 | 15.00 | - 24 | 5,8 | 250/85 | - 28 | 3,0 | 35/65 | - 33 | 18,0 | 210/95 | - 44 | 3,8 | | | | | | |
| 15.5/70 | - 18 | 4,2 | 17/80 | - 24 | 5,8 | 17/80 | - 24 | 5,8 | 280/85 | - 28 | 3,4 | 2190 | - 33 | 10,1 | 230/95 | - 44 | 4,0 | | | | | | |
| 280/70 | - 18 | 2,6 | 16.00 | - 24 | 7,2 | 16.00 | - 24 | 7,2 | 380/85 | - 28 | 4,8 | 37.5 | - 33 | 23,8 | 270/95 | - 44 | 4,0 | | | | | | |
| 325/70 | - 18 | 3,1 | 250/85 | - 24 | 2,8 | 20/70 | - 24 | 7,3 | 380/85 | - 28 | 4,8 | 875/65 | - 33 | 18,2 | 270/95 | - 44 | 4,0 | | | | | | |
| 365/70 | - 18 | 3,5 | 280/85 | - 24 | 3,4 | 22/70 | - 24 | 8,2 | 420/85 | - 28 | 5,2 | 34" | 14.9 | - 34 | 6,5 | 45" | 45/65 | - 45 | 30,0 | | | | |
| 275/65 | - 18 | 2,4 | 320/85 | - 24 | 3,9 | 300/70 | - 24 | 3,3 | 420/85 | - 28 | 5,2 | | 16.9 | - 34 | 7,4 | | 46" | 12.4 | - 46 | 5,8 | | | |
| 320/65 | - 18 | 2,8 | 340/85 | - 24 | 4,4 | 320/70 | - 24 | 3,7 | 480/70 | - 28 | 6,0 | | 18.4 | - 34 | 7,6 | | | 14.9 | - 46 | 7,6 | | | |
| 335/65 | - 18 | 3,0 | 380/85 | - 24 | 4,9 | 360/70 | - 24 | 4,3 | 320/70 | - 28 | 4,0 | 23.1 | - 26 | 9,3 | 18.4 | - 46 | | 9,5 | | | | | |
| 340/65 | - 18 | 3,0 | 380/85 | - 24 | 4,9 | 380/70 | - 28 | 4,7 | 420/75 | - 28 | 5,6 | 23.1 | - 26 | 9,3 | 20.8 | - 46 | 11,3 | | | | | | |
| 340/65 | - 18 | 3,0 | 420/85 | - 24 | 6,1 | 420/85 | - 24 | 4,4 | 480/75 | - 28 | 6,0 | 520/75 | - 34 | 8,2 | 620/70 | - 46 | 13,3 | | | | | | |
| 12.5/65 | - 18 | 3,0 | 375/75 | - 24 | 4,2 | 420/75 | - 24 | 5,4 | 320/70 | - 28 | 4,0 | 620/75 | - 34 | 10,4 | 420/80 | - 46 | 7,6 | | | | | | |
| 13.0/65 | - 18 | 3,0 | 420/75 | - 24 | 5,4 | 500/75 | - 24 | 6,8 | 360/70 | - 28 | 4,7 | 650/75 | - 34 | 11,0 | 480/80 | - 46 | 6,3 | | | | | | |
| 15.5/60 | - 18 | 3,9 | 500/75 | - 24 | 6,8 | 300/70 | - 24 | 3,3 | 480/70 | - 28 | 6,7 | 710/75 | - 34 | 12,3 | 340/85 | - 46 | 6,3 | | | | | | |
| 355/60 | - 18 | 3,2 | 300/70 | - 24 | 3,3 | 320 | | | | | | | | | | | | | | | | | |