

High Performance Squeegee Blades for use in Scrubber/Dryer Equipment

BMP is a leading manufacturer of polyurethane squeegee blades used in a wide range of industrial applications.

Utilising this extensive technical and processing experience, BMP has developed a range of high performance, abrasion, chemical and oil resistant polyurethane squeegee blades specifically for the cleaning industry. Cleaning chemicals and excess oil on industrial flooring are extremely aggressive to rubber and other elastomers, resulting in swelling, edge deterioration and lower in-service life cycles.

BMP's Viper PU squeegee blades have been developed from a hybrid cross linked polyurethane formulation that is highly resistant to cleaning chemicals and oil providing in-service life cycles significantly greater than that of rubber and other elastomer materials.

Viper System

Viper squeegee blades are manufactured from an Aromatic di-Isocyanate and polyester polyol polyurethane system providing excellent abrasion, solvent resistance and exceptional mechanical properties

Performance advantages of Viper Squeegee

- Excellent abrasion and chemical resistance
- Accurate hardness control within a range of +/- 5 points of Shore A
- Enhanced functional edge quality and sharpness
- Colour coded for easy visual identification



Viper PU Material Properties	55	65	75	85	90
Hardness (Shore A°)	55	65	75	85	90
100% Modulus (MPa)	1.7	2.8	4.3	6.7	10.4
Tensile Strength (MPa)	25	35	38	32	27
Elongation @ Break (%)	620	660	600	580	560
Angle Tear (N/mm)	48	66	78	92	118
Split Tear Strength (N/mm)	9.5	11	13	21	28
DIN Abrasion (mm ³ loss)	40	40	30	40	45

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Abrasion resistance of BMP Viper Polyurethane vs. Other Elastomer materials

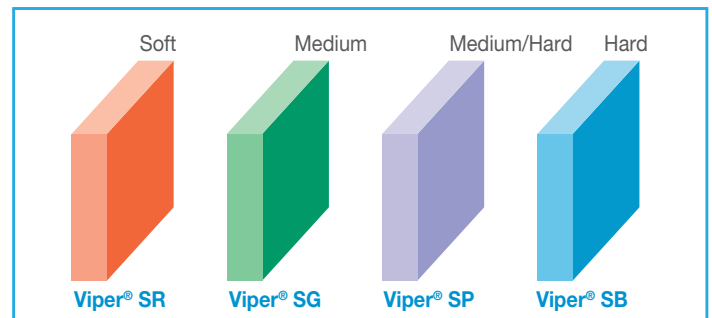
Material DIN Abrasion Loss in mm ³	DIN Abrasion Loss in mm ³
Other elastomer materials 520mm ³	520mm ³
BMP Viper Polyurethane 65mm ³	65mm ³

BMP Service and Support

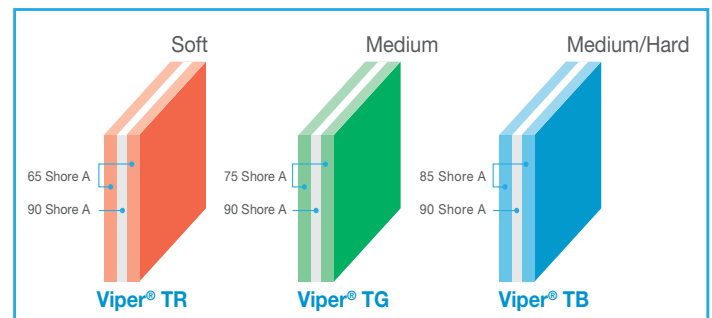
Custom configuration available on request, ranging from:

- Hardness 45 – 90 shore A
- 1mm – 15mm thickness
- 5mm – 450mm width
- Up to 2650mm length
- Wide variety of colour combinations
- Any scrubber dryer squeegee variant available on request
- On-going technical support from BMP's in house engineers and polyurethane chemist

Viper S Range



Viper T Range



For Further Information Contact:

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