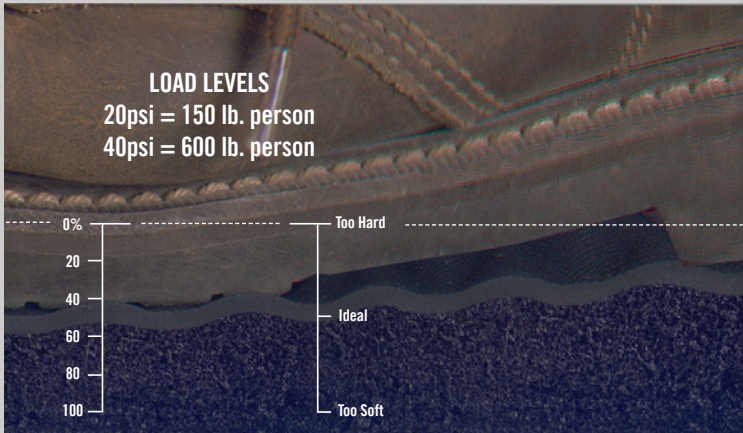


# Compression Deflection & Durometer (Hardness) Comparison



## Compression Deflection

### General Principle

1. This test was designed to assess and compare performance characteristics of a variety of industrial anti-fatigue mats submitted for testing. Two specific load levels were applied to the test samples and the results show the deflection measured. The two specific load levels performed were 20 psi, equal to a 150 pound human and 40 psi, equal to a 600 pound human.
2. Readings suggest that less than 20% deflection could be perceived as too hard and readings above 60% deflection could be perceived as too soft. It appears that between 20% and 60% deflection anti-fatigue properties can be felt.

## Durometer/Hardness

### General Principle

The hardness of a test sample is measured by means of a Type A Shore Durometer. The Durometer measures the penetration of its specified indenter forced into the test material under specified conditions. The lower readings indicate softer materials.

## TEST RESULTS



### COMPETITOR'S

#### Comfort Flow™ & Comfort Station Max

Comfort Flow: 43.8% deflection @20psi  
55.7% deflection @40psi

Comfort Station Max: 41.2% deflection @20psi  
57.4% deflection @40psi

Durometer/Hardness:  
Comfort Flow: 45  
Comfort Station Max: 45

#### Traditional Industrial Red Mat

11% deflection @20psi  
22% deflection @40psi

Durometer/Hardness: 70

#### Cushion Select 5/8"

61.7% deflection @20psi  
77.5% deflection @40psi

#### PVC Foam 3/8"

38% deflection @20psi  
59% deflection @40psi

#### Hog Heaven® 5/8"

47.8% deflection @20psi  
61.6% deflection @40psi

Durometer/Hardness: 56

#### Diamond Plate 5/8"

48% deflection @20psi  
65% deflection @40psi

Durometer/Hardness: 85

