



Australia-New Zealand-Pacific Islands

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 **SIGNAROAD**

[www.signaturecorp.com](http://www.signaturecorp.com)



Total Infrastructure Ltd is proud to represent Signature Systems in Australasia.

T +64 220373117

Neill Laurenson

[neill@signaturesystems.co.nz](mailto:neill@signaturesystems.co.nz)



# ABOUT SIGNATURE SYSTEMS GROUP

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- Signature Systems Group ( [www.signaturecorp.com](http://www.signaturecorp.com) ) is the world's largest manufacturer of composite matting.
- Industries include Oil & Gas –Power and Transmission – Utilities – Construction – Stadium Flooring – Military - Large Scale Events – Disaster Relief and many other sectors
- With a broad and proud (repeat) customer base across the World and in all sectors



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# SIGNATURE'S EXPERIENCE

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- Over 20 years of experience with matting products
- Experts in manufacturing and installing matting
- World class customer and product support
- State-of-the-art manufacturing facility
- Experience working on large-scale projects all over the world with major companies



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# MANUFACTURING FACILITY

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- Quality Control / Quality Assurance
- Extensive quality procedures and protocols
- Strict health, safety, and environmental procedures – no compromise attitude
- Located in Orlando, FL
- Capacity upgrades 2019

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# VALUES AND MISSION

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- Health and safety of our workforce
- Ethical and open practices
- High quality product and customer support
- Environmental Sustainability



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# SIGNAROAD®



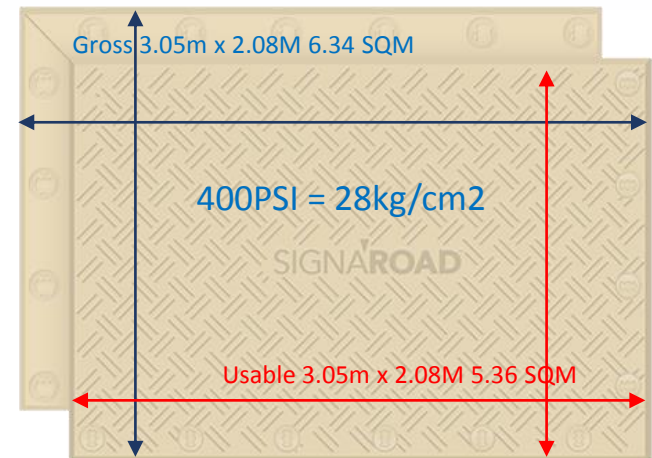
**TIL**  
TOTAL INFRASTRUCTURE LIMITED  
Facilities • maintenance • development

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- 225kgs/mat hot plate welded one-piece composite mat which is 63mm thick
- Over-lapping flange 20cm wide
- Seamless connection system
- Mats can be laid portrait or landscape and still connect
- RFID chips inside of each mat
- Up to 120 pieces per flatbed UK lorries
- Not susceptible to theft
- 225 linear metres at 3m wide which reduces transport costs for larger projects
- Can be laid with chains, forklifts, skid steers, telehandlers, suction attachments and/or Moffatts



Weight loading - 400 PSI = 28Kg per SQCM = 150 tons per mat

# TESTING DATA

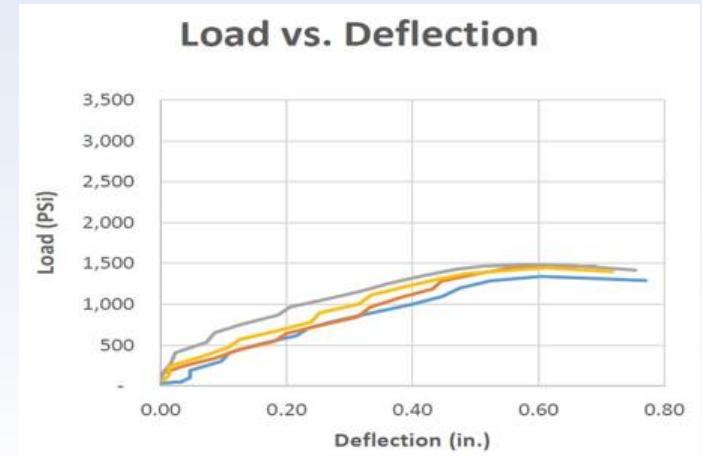
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## Compression Testing:

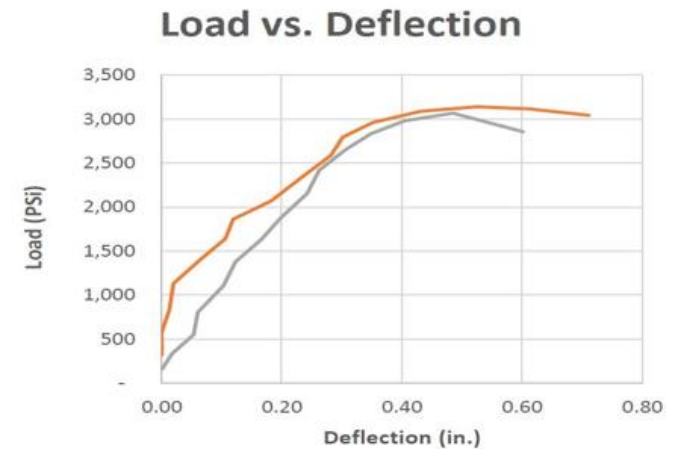
- SignaRoad was tested according to a modified ASTM compression test. SignaRoad was subjected to an increasing compressive force using a 4 in. diameter steel plate (surface area 12.57 sq.in.(81.1 sq.cm)), measuring deflection at the increasing loads.
- Tests were carried out under controlled conditions with the temperature at 70F.(21Deg. C) ( Normal Temperature) and 20F. (minus 6.7 Deg. C) (Cold Temperature). Testing was conducted all the way to product failure over a set amount of sample pieces, then averaged to achieve the following results.

\*Note that the compression test was carried out with the SignaRoad sample placed on a smooth, rigid surface. Field measurements will vary due to ground conditions.

## Normal Temperature



## Cold Temperature



# TESTING DATA

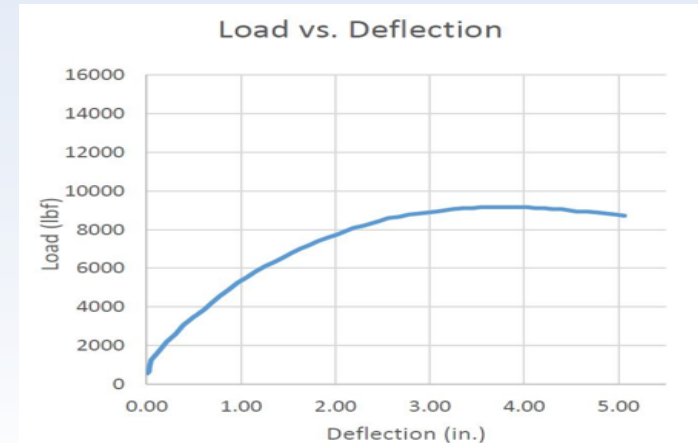
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## Flexural Testing :

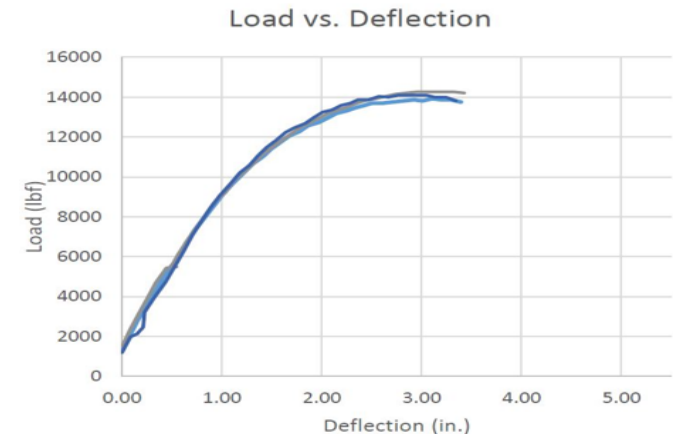
- SignaRoad was tested according to a modified ASTM-D790 flexural bending test. SignaRoad was modified to a 18in. (45.7 cm) wide sample and supported at 24in. (61 cm) SignaRoad was then subjected to an increasing bending force, measuring deflection at the increasing loads.
- Tests were carried out under controlled conditions with the temperature at 80F(27 Deg. C) (High Temperature) and 20F (minus 6.7 Deg. C) (Cold Temperature). Testing was conducted all the way to product failure over a set amount of sample pieces, then averaged to achieve the following results.

\*Note that the compression test was carried out with the SignaRoad sample placed on a smooth, rigid surface. Field measurements will vary due to ground conditions.

## High Temperature



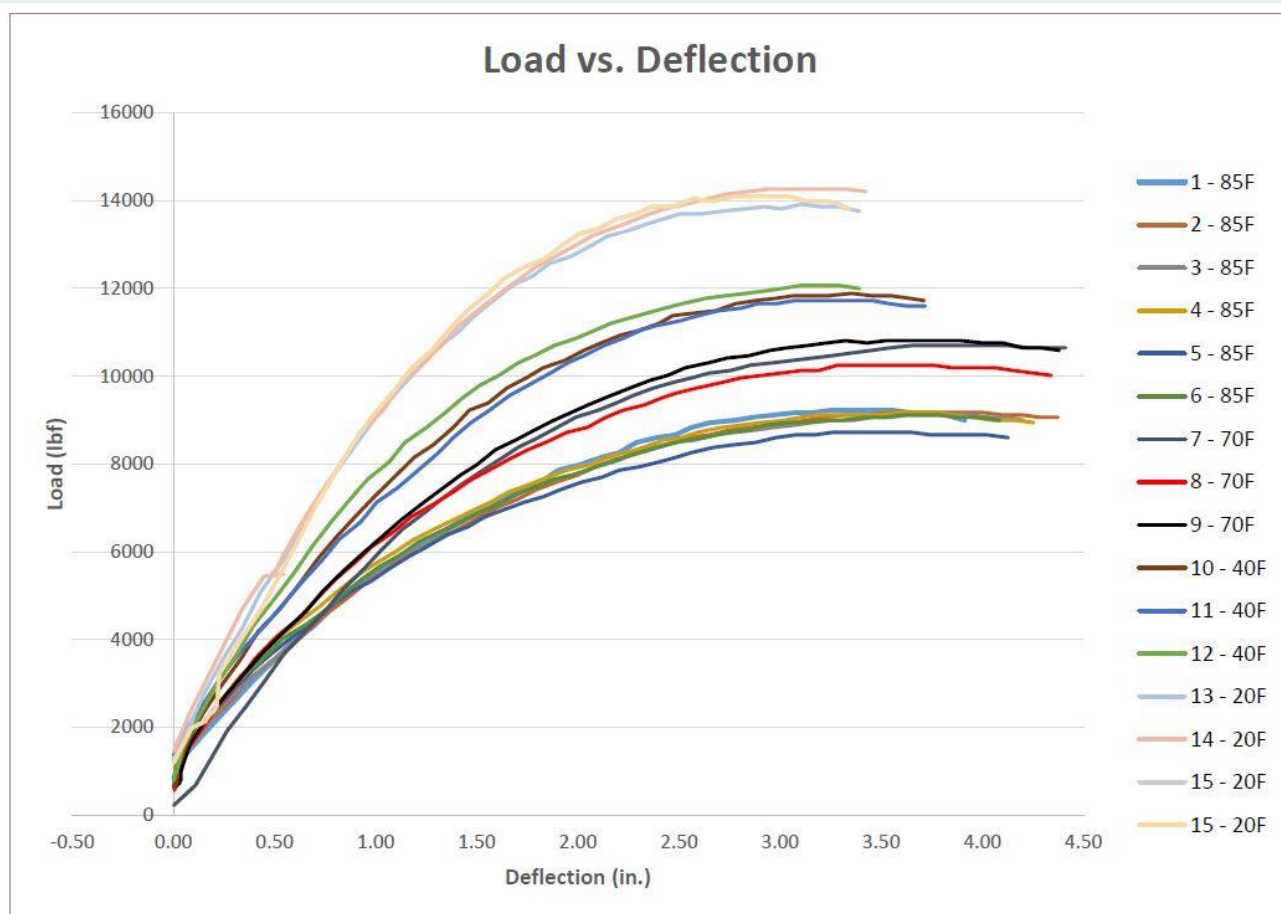
## Cold Temperature





# TESTING DATA

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# USE CASES



## Where Is and Where Could SignaRoad Be Used?

Special Event  
Flooring



Construction  
Matting



All-Weather,  
Heavy-Haul Matting



- Cable/Pipeline Installers and Repairers
- Construction Companies
- Events and Festivals
- Forestry/Logging
- General Builders
- Humanitarian deployments
- Landscaping
- Military operations

- Portable Buildings
- Rail
- Solar Farms
- Traffic Management Suppliers
- Transmission line access
- Trenching/Shoring
- Wind Farms



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**TIL**

TOTAL INFRASTRUCTURE LIMITED  
installers • maintainers • managers



































# ACCESSORIES – CAM LOCKS

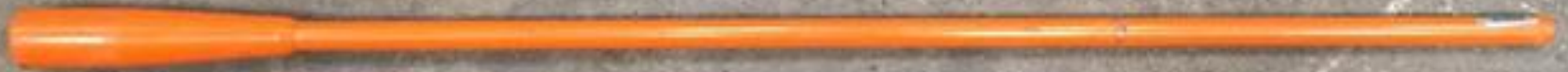


# ACCESSORIES – INSTALL/EXTRACTION TOOLS

















# ACCESSORIES – RAMPS









# ACCESSORIES – RFID CHIP & TREAD





# OTHER PRODUCTS

## Industrial

- DuraDeck
- MegaDeck HD

## Event

- EventDeck Ultra
- ArmorDeck
- OmniDeck



# CONTACT

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