

KIRTANLAL
SCAFFOLDING & FORMWORK

KT-LOK

MULTI-PURPOSE SCAFFOLD SYSTEM



“Taking Scaffolding & Formwork to New Heights”

INTRODUCTION

Kirtanlal Scaffolding & Formwork

The Kirtanlal Group of Companies has over 5 decades of experience in providing solutions to the Energy, Construction, Engineering & Industrial Sectors, throughout The Middle East, India, South East Asia, Africa, Europe, Australia, North & South America.

The Kirtanlal Group is a leading distributor in the industrial sector, comprised of a dynamic group of companies dedicated to fueling the needs of the supply chain with its diverse portfolio.

With a commitment to upholding an industry standard we ensure that all our divisions are united in consistently delivering high-quality products and services to our clients and end-users.

Established in 2015, Kirtanlal Scaffolding & Formwork has grown into a trusted provider of Contract Scaffolding, Powered Access, and Formwork Solutions across the UAE, Qatar, and Oman, with expansion into Saudi Arabia and India.

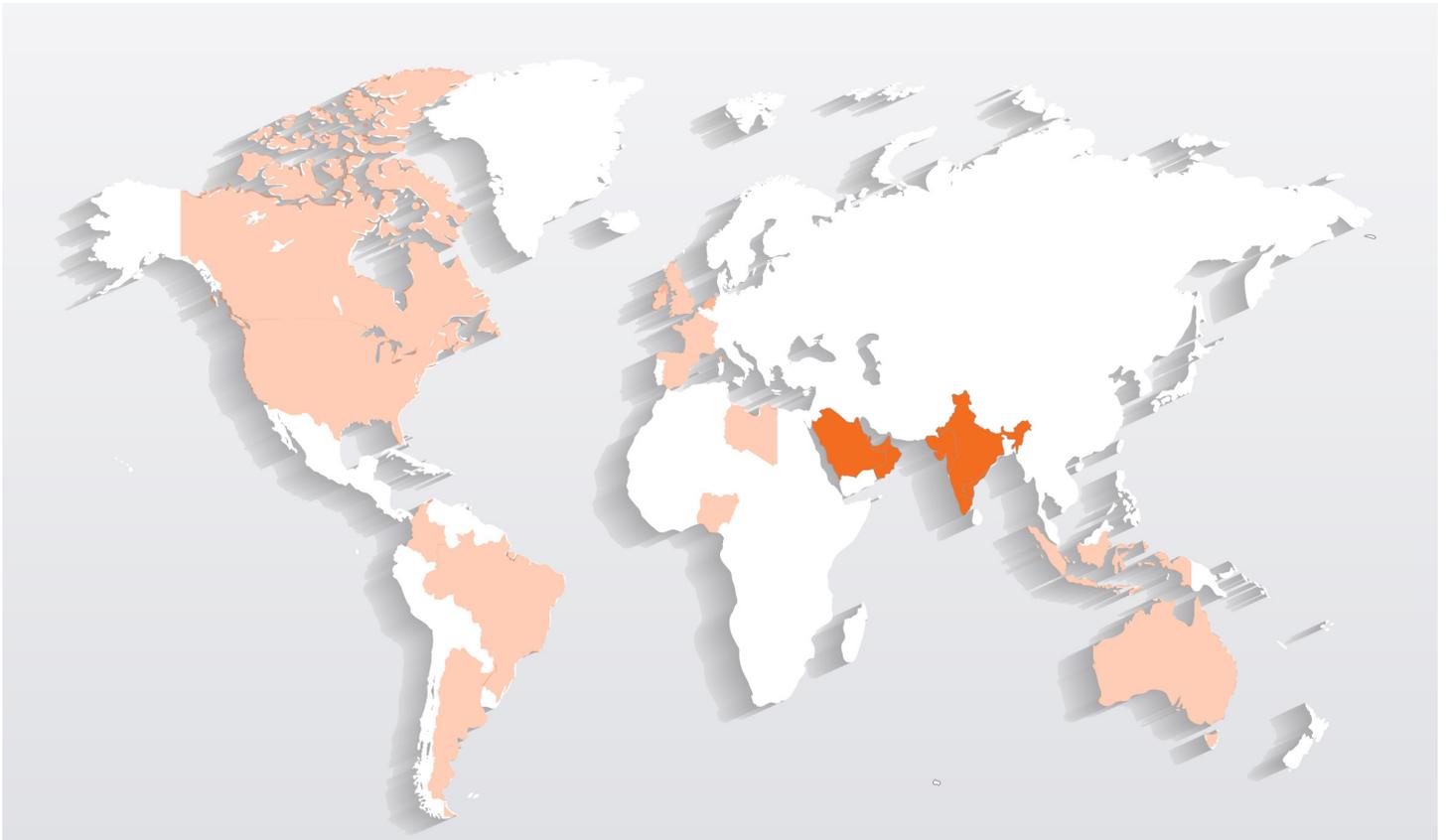
We cater to the Construction, Infrastructure, Oil & Gas, and

Industrial sectors, offering high-grade materials, NEBOSH & IOSH qualified Safety Supervisors, CISRS certified Scaffolders, and in-house Engineering & Design Services. Our team provides on-site training for safe equipment installation and operation.

Committed to Safety, Quality, and Service, we collaborate with reputed third Party inspection agencies for industry-approved safety certifications, ensuring compliance and excellence in every project.

Our Value Engineered Solutions for All Your Access & Formwork Requirements

- ▣ Contract Scaffolding
- ▣ Engineering Services
- ▣ Powered Access
- ▣ Formwork & Access Rental

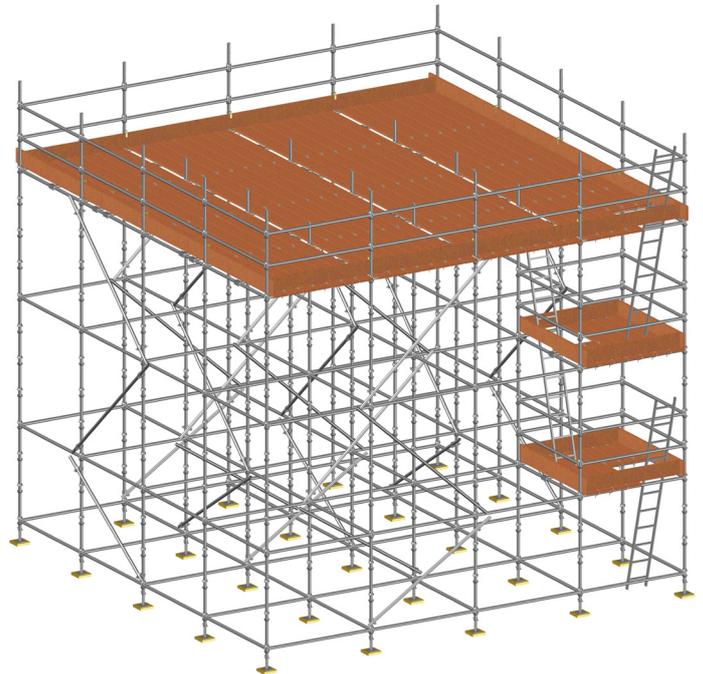
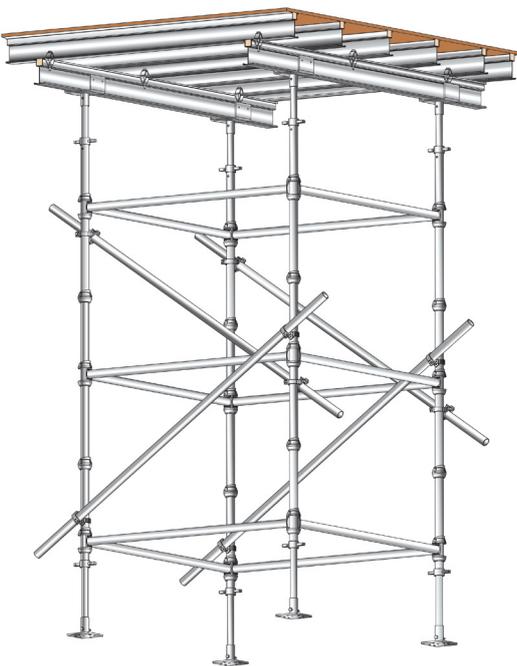


KT-LOK

Introduction

Grade 50C KT-Lok is the Market-Leading, and Highest Specification Grade Cup System Available in the Region.

The KT-Lok, Cup System is a Multi-Purpose Scaffolding System. Assembly of the framework unit is based on shoring towers which are connected in one direction and thus function as shear frames. In direction of the framework, the system can be considered as a free standing system, thus additional braces for the transfer of horizontal loads are usually not necessary.



The KT-Lok Shoring System combines the speed and flexibility of our advanced Access System with the added capability of a 7.5-tonne capacity Universal Jack. This enhances the system's performance, allowing it to handle the high loadings required in heavy infrastructure and shoring projects.

The KT-Lok Access Scaffolding System is widely used across various industries. We also offer modular access staircases, static and mobile towers, and loading platforms, all equipped with ladder gates, safety trap doors, and other essential safety equipment.

Key Features & Benefits

 **Stronger:** Grade 50C Steel can support up to 80% more load than Standard Cup System.

 **Lightweight:** Grade 50C Cup System achieves this strength gain with no increase in component weight.

 **Faster:** High-load capacity results in up to 30% less components.

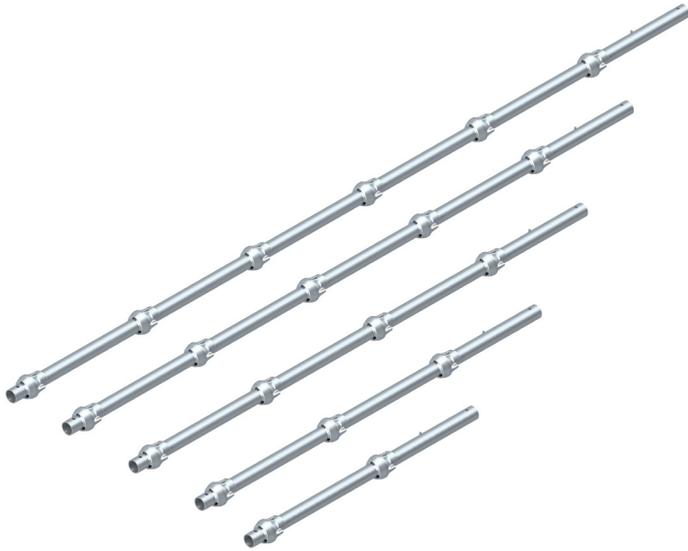
 **Reduced Transport Cost:** Fewer components to transport.

 **HDG (Galvanized):** Grade 50C HDG (Hot Dip Galvanized) to a minimum of 100 microns. Improved durability and corrosion resistance.

 **Certified Quality:** Designed, manufactured & tested compliant to EN12810 & EN12811.

KT-LOK

Components



KT-Lok Standards

Standards are the vertical component of Cup System scaffold. Cups are spaced every 19.7" (500mm) on the tube and provide a point of attachment for various components that are used to create a scaffold structure.

Product Codes	Description (m)	Weight (kg)
TKL0STD100050000GL	KT-Lok Standard 1.0	5.0
TKL0STD130050000GL	KT-Lok Standard 1.3	6.8
TKL0STD150050000GL	KT-Lok Standard 1.5	7.6
TKL0STD180050000GL	KT-Lok Standard 1.8	9.3
TKL0STD200050000GL	KT-Lok Standard 2.0	10.1
TKL0STD230050000GL	KT-Lok Standard 2.3	11.9
TKL0STD250050000GL	KT-Lok Standard 2.5	12.6
TKL0STD300050000GL	KT-Lok Standard 3.0	15.1

Material: Steel Grade S355/55c, Hot Dip Galvanized (HDG)

Permissible Loads Per Vertical for Main Lifts in kN

External Verticals

Lift (m)	Vertical Load (kN)				
	0.6m Bay	0.9m Bay	1.2m Bay	1.8m Bay	2.5m Bay
1.0	57.0	57.0	57.0	57.0	57.0
1.5	55.5	54.5	53.5	52.0	51.0
2.0	38.0	36.0	34.5	34.0	32.0

Internal Verticals

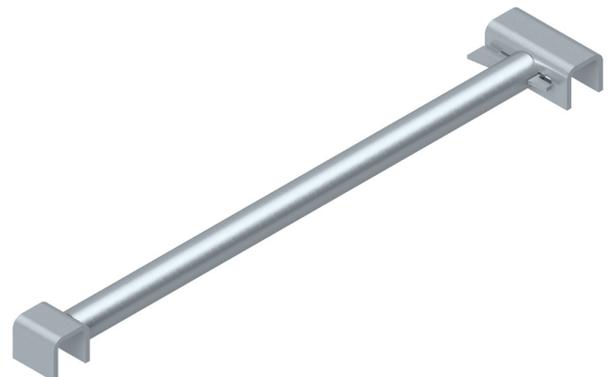
Lift (m)	Vertical Load (kN)	
	1.8m Bay	2.5m Bay
1.0	57.0	57.0
1.5	55.0	54.0
2.0	40.0	36.0

KT-Lok Intermediate Transoms

Shorter Ledgers are called Transoms, can be used to support plank. It is recommended using a double ledger as a transom for bays 6 feet or wider.

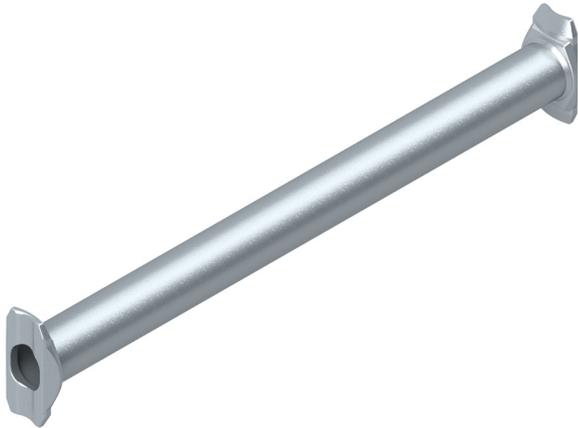
Product Codes	Description Length (mm)	Weight (kg)
TKL0INT120043000GL	Intermediate Transom 1200	5.7
TKL0INT130043000GL	Intermediate Transom 1300	6.0
TKL0INT180043000GL	Intermediate Transom 1800	7.8
TKL0INT250043000GL	Intermediate Transom 2500	10.4

Material: Steel Grade S275/43c, Hot Dip Galvanized (HDG)



KT-LOK

Components



KT-Lok Ledgers

Ledgers is a horizontal members that are used to form a scaffold bay by the distance between the standards. They also can be used for the top rail as part of the guardrail system.

Product Codes	Description (mm)	Weight (kg)
TKL0LDG060043000GL	KT- Lok Ledger 600	2.4
TKL0LDG090043000GL	KT- Lok Ledger 900	3.5
TKL0LDG120043000GL	KT- Lok Ledger 1200	4.6
TKL0LDG130050000GL	KT- Lok Ledger 1300	5.0
TKL0LDG160043000GL	KT- Lok Ledger 1600	6.0
TKL0LDG180043000GL	KT- Lok Ledger 1800	6.8
TKL0LDG250050000GL	KT- Lok Ledger 2500	9.3

Material: Steel Grade S275/43c, Hot Dip Galvanized (HDG)

KT-Socket Base

The KT-Lok Socket Base used as the primary base for the Cup System, designed to securely hold the Universal Jack and, in some cases, can be fixed directly with the Jack for enhanced stability.

Product Code	Description	Weight (kg)
TKL0SB1000043000GL	KT- Socket Base	2.6

Material: Steel Grade S275/43c, Hot Dip Galvanized (HDG)



KT-Plain Base Plate

It is used as a replacement for the Adjustable Jack when the structure height is low, to prevent the interference of threads between the top and bottom Universal Jacks within the falsework system.

Product Code	Description	Weight (kg)
TKL0PB1000043000GL	KT-Plain Base Plate	1.1

Material: Steel Grade S275/43c, Hot Dip Galvanized (HDG)

KT-LOK

Components



KT-Lok Adjustable Jacks

Used for height adjustment of the props to ensure proper leveling and alignment.

Product Codes	Description (mm)	Weight (kg)
TKL0BJH076043000GL	KT- Lok Adjustable Jack 660	4.0
TKL0BJH066043000GL	KT- Lok Adjustable Jack 760	4.5

Material: Steel Grade S275/43c, Hot Dip Galvanized (HDG)

KT-Lok Universal Jack

Used to securely hold and support the Cup system, for stability and proper alignment.

Product Code	Description (mm)	Weight (kg)
TKLOUJS086043000GL	KT-Lok Universal Jack, 860	4.1

Material: Steel Grade S275/43c, Hot Dip Galvanized (HDG)



KT-Lok Adjustable U-Head

Used to securely hold the beam in a vertical position.

Product Code	Description (mm)	Weight (kg)
TKLOUJS086043000GL	KT-Lok Adj. U-Head, 760	5.8

Material: Steel Grade S275/43c, Hot Dip Galvanized (HDG)



KT-LOK

Components



KT-Lok Loose Spigot

Used to lock or secure two Cup System connections together, fastened firmly with a screw.

Product Code	Description (mm)	Weight (kg)
TKL0LSP000043000GL	KT-Lok Loose Spigot	0.9

Material: Steel Grade S275/43c, Hot Dip Galvanized (HDG)

KT-Lok Beam Bracket

KT-Lok Beam Bracket is a component commonly used for higher slab applications. It is attached to standards and serves as an extended support for beams, especially in structures with irregular or complex slab configurations.

Product Code	Description	Weight (kg)
TKL0BBK100043000GL	KT- Lok Beam Bracket	8.3

Material: Steel Grade S275/43c, Hot Dip Galvanized (HDG)



KT-Lok Fixed Fork Heads

Used to support the primary beam and securely hold the Universal Jack in place. The wider Fork Head is specifically designed for bridging Soldiers inverted in vertical slab applications.



Product Code	Description (mm)	Weight (kg)
TKL0FFH151743000GL	KTL Fixed Fork Head 150x170	3.7
TKL0FFH201743000GL	KTL Fixed Fork Head 200x150	4.0

Material: Steel Grade S275/43c, Hot Dip Galvanized (HDG)

KT-LOK

Components



KT-Lok Cantilever A Frames

It is typically used for providing access to the top of the formwork and is also employed to support the primary beam.

Product Codes	Description (mm)	Weight (kg)
KL0CAF100043000GL	KTL Cantilever A Frame 1.0	15.7
KL0CAF150043000GL	KTL Cantilever A Frame 1.5	17.0

Material: Steel Grade S275/43c, Hot Dip Galvanized (HDG)

KT-Lok Staircase

It is typically used on a staircase tower (walkway).

Product Code	Description (m)	Weight (kg)
TKL0STC200043000GL	KTL Staircase 2.0 x 2.5 x 1.0	72.0

Material: Steel Grade S275/43c, Hot Dip Galvanized (HDG)

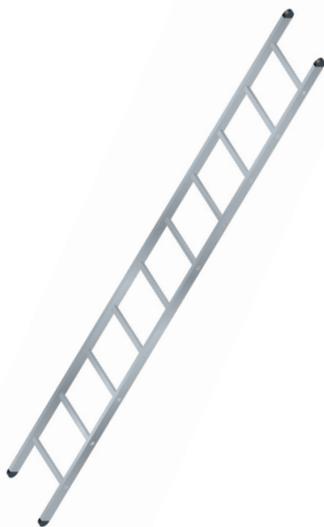


KT-Aluminium Ladders

KT-Aluminium Ladder is hooked onto a Ledger and set at a fixed height for secure and stable access to scaffold.

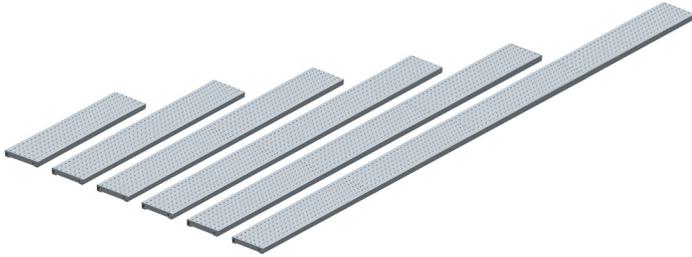
Product Code	Description (m)	Weight (kg)
SCFALLD20000000000	KT-Aluminium Ladder 2.0	3.9
SCFALLD30000000000	KT-Aluminium Ladder 3.0	5.5
SCFALLD35000000000	KT-Aluminium Ladder 3.5	5.5
SCFALLD40000000000	KT-Aluminium Ladder 4.0	7.4
SCFALLD50000000000	KT-Aluminium Ladder 5.0	9.1
SCFALLD60000000000	KT-Aluminium Ladder 6.0	10.9

Material: Aluminium Alloy



KT-LOK

Components



KT-Steel Boards

Used as temporary horizontal surfaces for support or decking during the construction of concrete slabs. It has a non-skid perforated surface for slip resistance in adverse weather condition.

Product Codes	Description (m)	Weight (kg)
SCFSBRD100043BRDGL	KT-Steel Board 1.0	5.0
SCFSBRD150043BRDGL	KT-Steel Board 1.5	7.5
SCFSBRD200043BRDGL	KT-Steel Board 2.0	10.0
SCFSBRD250043BRDGL	KT-Steel Board 2.5	12.5
SCFSBRD300043BRDGL	KT-Steel Board 3.0	15.0
SCFSBRD400043BRDGL	KT-Steel Board 4.0	20.0

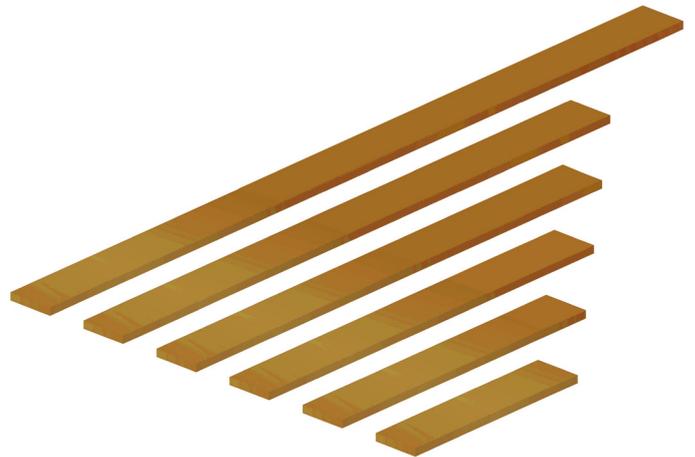
Material: Steel Grade S275/43c, Hot Dip Galvanized (HDG)

LVL Scaffold Boards

LVL Scaffold Boards are used as a lightweight and durable alternative to traditional timber. Used also as a temporary platform to support workers and equipment.

Product Codes	Description (m)	Weight (kg)
SCB0LVL100000000NT	KT-LVL Scaffold Board 1.0	5.5
SCB0LVL150000000NT	KT-LVL Scaffold Board 1.5	8.2
SCB0LVL200000000NT	KT-LVL Scaffold Board 2.0	10.9
SCB0LVL250000000NT	KT-LVL Scaffold Board 2.5	13.7
SCB0LVL300000000NT	KT-LVL Scaffold Board 3.0	16.4
SCB0LVL390000000NT	KT-LVL Scaffold Board 3.9	21.3

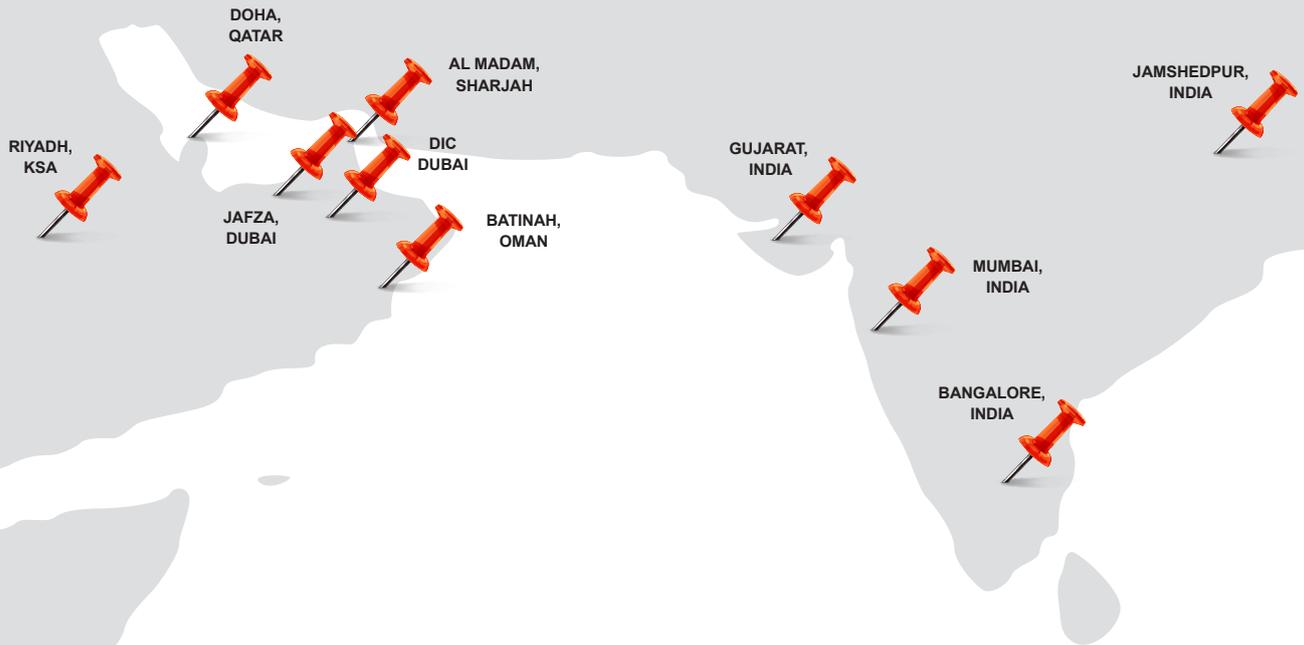
Material: Laminated Veneer Lumber



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