



## High Performance Synthetic Felt Underlay

**Syntexlay** is a new generation carpet underlay designed for domestic and heavy contract installations.



Fire Safety  
Performance  
Eco-Friendliness

### Special Features

- Safe fire retardant properties
- Use eco-friendly recycled and recyclable materials
- 100% Synthetic fibers
- Odorless
- Does not develop bacteria or mildew
- Clean, smooth surface
- Proper density for exceptional carpet support
- Extremely durable
- Excellent sound absorption properties
- Meets industry's international standards

# Syntexlay

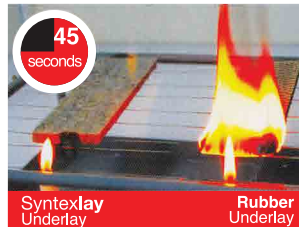
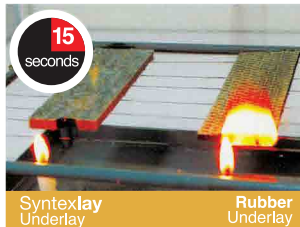
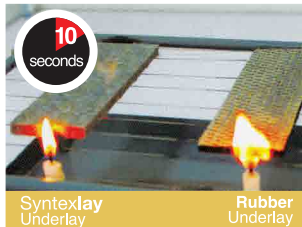
Syntexlay has been developed under 3 principles:

1. Fire Safety
2. Performance
3. Eco-Friendliness



## 1 Fire Safety

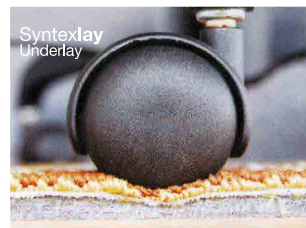
Syntexlay is made of 100% synthetic fibers which have high resiliency and can withstand high temperature that gives the product excellent flame retardant properties. If burnt, flames do not spread and give off white smoke as opposed to toxic black smoke emitted when rubber burns while flames spread rapidly.



Syntexlay meets Class 1 rating of Critical Radiant Flux for use in corridor and exit ways as specified by the National Fire Protection Association of the United States of America.



## 2 Performance



Syntexlay is a non-woven felt made from millions of synthetic fibers compressed to a firm yet flexible density to give proper support to the carpet, preventing it from wrinkling and premature wear. Unlike rubber which tends to cause wrinkles because of high elasticity, Syntexlay can provide better support to the carpet under moving wheels such as castor chairs in an office or service trolleys in hotel corridors.

For spacious or heavy traffic areas, Syntexlay FDX is strongly recommended along with the Double Glue Installation system. FDX has exceptionally high tensile strength and is extremely durable. Carpets installed with FDX in this system will retain its new look longer and for the entire life of the carpet will not require re-stretching.



Syntexlay is produced in an air permeable construction, which allows air circulation and prevents moisture from being trapped under the carpet.



Syntexlay has superior sound and thermal insulation properties which help absorb airborne and footstep noise to give a quiet home environment.



## 3 Eco-Friendliness

Syntexlay is an eco-friendly product which uses mainly post-consumer recycled fibers made from discarded plastic drinking water bottles and yarn waste as raw material. It meets the industry's international standards and can out-perform rubber underlay.

Stay safe, use Syntexlay!



**Syntexlay FT** : For medium and heavy traffic areas with Stretch Fit Installation.

**Syntexlay FDX** : For spacious, heavy traffic area with Stretch Fit / Double-Glue Installation System.

#### Product Characteristics

	FDX 40	FDX 32	FDX 28
Traffic Class	Heavy-Extra Heavy	Heavy-Extra Heavy	Heavy-Extra Heavy
Installation Method	Stretch Fit/Double-Glue	Stretch Fit/Double-Glue	Stretch Fit/Double-Glue
Weight (Metric)	1,356 gms/sq.m.	1,085 gms/sq.m.	950 gms/sq.m.
Weight (Imperial)	40 oz/sq.yd.	32 oz/sq.yd.	28 oz/sq.yd.
Thickness	10 mm.	8 mm.	5-6 mm.
Density	0,135 gms/c.c.	0,136 gms/c.c.	0,136 gms/c.c.
Width	200 cm.	200 cm.	200 cm.
Roll Length	20 meters	20 meters	25 meters

#### BS 5808 : 1991 Test results - British Standard for Carpet Underlays.

Tensile strength (BS 2576)	> 400 N.	> 400 N.	> 400 N.
Loss in thickness after static loading (BS 4939)	< 20 %	< 20 %	< 20 %
Loss in thickness after dynamic loading (BS 4052)	< 15 %	< 15 %	< 15 %
Retention of work of Compression (BS 4098)	> 80 %	> 80 %	> 80 %
Resistance to cracking (BS 5808)	Pass.	Pass.	Pass.

#### Flammability

Methenamine Pill Test ASTM-D 2859	Pass.
Critical Radiant Flux ASTM-E 648	Meets or exceeds Class 1 (as specified in NFPA Life Safety Code)
Hot Metal Nut (BS 4790)	Low radius of ignition

Specification and fiber colors are subject to normal manufacturing tolerance, and subject to changes without prior notice.



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