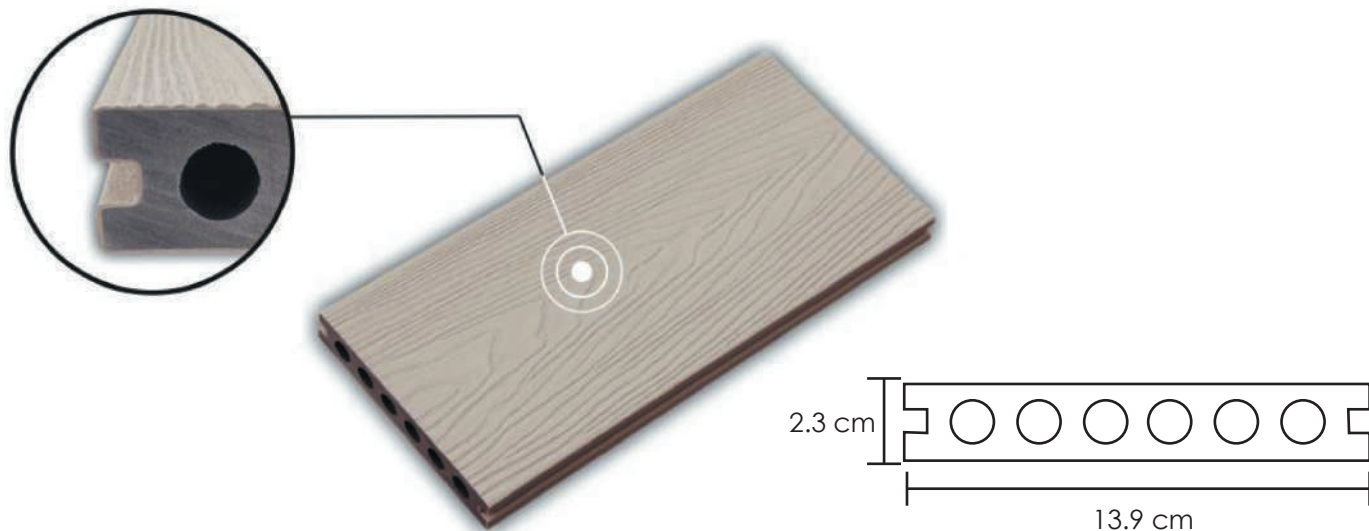


FICHA TÉCNICA



DECK COEXTRUIDO WPC



Deck Coextruido WPC ofrece una apariencia natural mate con un acabado lujoso y de alta resistencia al deslizamiento y fuego. Es ideal para exteriores en espacios residenciales y comerciales.

| ESPESOR | ANCHO | LONGITUD | PIEZA |
|---------|---------|----------|-----------------------|
| 2.3 cm | 13.9 cm | 2.90m | 0.4031 m ² |

Ventajas



RESISTE GOLPES



RESISTENTE AL AGUA



FÁCIL LIMPIEZA



NO REQUIERE PEGAMENTO



ÁISLA EL RUIDO



NO FLAMABLE



ANTIDERRAPANTE



ANTIBACTERIAL

TEST CERTIFICATE

PENDULUM SLIP TESTING IN ACCORDANCE WITH
BS 7976-2:2002



PENDULUM SLIP TESTING

TEST DESCRIPTION: Pendulum Slip Testing done in accordance with BS 7976-2:2002. The board was tested both sides, dry and wet, 8 times at 0°, 45° and 90°, with the mean of the last 5 results recorded.

REF NO.: DR-5289
JOB NO.: P10044
CERTIFICATE NO.: IC9507
TEST PRODUCT: HR DEK 140

DATE TESTED: 30th October 2020
DATE REPORTED: 2nd November 2020
CERTIFICATE DATE: 2nd November 2020

TEST RESULTS:

| | | PTV (Pendulum Test Value) | | | | | | | | | |
|----------------------|-----|---------------------------|----|----|----|----|----|----|----|----|------|
| | | Test No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Mean |
| DARK SIDE DRY | 0° | 82 | 86 | 86 | 90 | 92 | 92 | 90 | 93 | | 91.4 |
| | 45° | 91 | 94 | 95 | 97 | 96 | 96 | 97 | 97 | | 96.6 |
| | 90° | 95 | 96 | 96 | 96 | 96 | 96 | 96 | 97 | 97 | 96.4 |
| | | Test No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Mean |
| DARK SIDE WET | 0° | 54 | 53 | 53 | 53 | 53 | 53 | 53 | 52 | 53 | 52.8 |
| | 45° | 59 | 60 | 60 | 61 | 61 | 62 | 62 | 62 | 61 | 61.4 |
| | 90° | 60 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 |
| | | Test No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Mean |
| LIGHT SIDE DRY | 0° | 88 | 90 | 90 | 91 | 91 | 91 | 91 | 92 | 91 | 91.2 |
| | 45° | 89 | 90 | 92 | 92 | 93 | 93 | 93 | 94 | 94 | 93.2 |
| | 90° | 88 | 96 | 97 | 97 | 98 | 98 | 98 | 98 | 99 | 98 |
| | | Test No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Mean |
| LIGHT SIDE WET | 0° | 44 | 44 | 44 | 42 | 42 | 42 | 42 | 42 | 41 | 41.8 |
| | 45° | 58 | 57 | 58 | 58 | 58 | 58 | 57 | 57 | 58 | 57.6 |
| | 90° | 60 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 62 | 61.2 |





Total Quality. Assured.

Intertek Report No. 210727007SHF-002

Test Items, Method and Results:

Test Item: Resistance to artificial weathering - Xenon-arc Lamps

Test Sample: Coextrusion decking

Test Method: ISO 4892-2:2013 Cycle 1

Exposure cycle:

1) 102 min light at (65±3)°C, Black-standard-temperature, Relative humidity (50±10)%, Irradiance: 0.51 ± 0.02 W/(m²·nm) at 340 nm.

2) 18 min light and water spray, Irradiance: 0.51 ± 0.02 W/(m²·nm) at 340 nm.

Test Duration: 1000 hours

Test Result:

| Exposure time | ΔL* | Δa* | Δb* | ΔE* | Grey scale | Observation |
|---------------|-------|-------|-------|------|------------|-----------------------------------------------------------------------------------------------------------|
| 300 hours | -0.62 | 0.20 | -0.06 | 0.66 | 4-5 | Part showed slight color change |
| 500 hours | -0.57 | 0.14 | -0.35 | 0.68 | 4-5 | Part showed slight color change |
| 800 hours | 0.18 | -0.15 | -0.82 | 0.85 | 4-5 | Part showed slight color change, there were little white precipitates on the surface of sample. |
| 1000 hours | 2.39 | -0.92 | -2.23 | 3.40 | 3 | Part showed some color change, and there were small amount of white precipitates on the surface of sample |

| Test Items | Test Method | Test Results | Test requirements | Verdict |
|--------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|---------|
| Moisture resistance under cyclic test conditions | EN 15534-1:2014 Section 8.3.2 EN 15534-4: 2014 Section 4.5.5 | Original Bending Strength: 29.3 MPa After exposure, Mean Bending Strength: 27.4 MPa Decrease: 7 % Min Bending Strength: 26.8 MPa Decrease: 9 % | Decrease of bending strength, Mean ≤ 20 % Max. ≤ 30 % | Pass |

DECK COEXTRUIDO

| Test Items | Test Method | Test Results | Test requirements | Verdict |
|---------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|--------------------------|---------|
| Slipperiness (Pendulum test) | EN 15534-1:2014 Section 6.4.2 CEN/TS 15676:2007 EN 15534-4: 2014 Section 4.4 | Longitudinal direction: Mean: 103 Min.: 102 Horizontal direction: Mean: 108 Min.: 107 | Pendulum value ≥ 36 | Pass |

| Test Items | Test Method | Test Results | Test requirements | Verdict |
|---------------------|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| Flexural properties | EN 15534-1:2014 Annex A EN 15534-4: 2014 Section 4.5.2 | Bending Strength: 29.3 MPa Modulus of elasticity: 2790 MPa Maximum load: Mean: 4168 N Min.: 4037 N Deflection at 500N: Mean: 0.98 mm Max.: 1.26 mm | Flexural properties -F'max: Mean ≥ 3300 N Min. ≥ 3000 N -Deflection under a load of 500 N Mean $\leq 2,0$ mm Max. $\leq 2,5$ mm | Pass |

| Test Items | Test Method | Test Results | Test requirements | Verdict |
|----------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|---------|
| Resistance to artificial weathering | EN 15534-1:2014 Section 8.1 EN 15534-4: 2014 Section 4.5.5 ISO 4892-2: 2013, cycle 1 | After 2000h exposure: $\Delta L^* = 0,94$ $\Delta a^* = -0,34$ $\Delta b^* = -0,49$ $\Delta E^* = 1,12$ Grey Sale= 4-5 | $\Delta L^*, \Delta a^*$ and Δb^* shall be delared | N/A |

| Test Items | Test Method | Test Results | Test requirements | Verdict |
|--------------------------------------------------------|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|---------|
| Moisture resistance under cyclic test conditions | EN 15534-1:2014 Section 8.3.2 EN 15534-4: 2014 Section 4.5.5 | Original Bending Strength: 29.3 MPa After exposure, Mean Bending Strength: 27.4 MPa Decrease: 7 % Min Bending Strength: 26.8 MPa Decrease: 9 % | Decrease of bending strength, Mean ≤ 20 % Max. ≤ 30 % | Pass |

DECK COEXTRUIDO

| Test Items | Test Method | Test Results | Applicant's requirement | Verdict |
|------------------------------------------------------|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| Swelling and water absorption (28 days immersion) | EN 15534-1:2014 Section 8.3.1 EN 15534-4: 2014 Section 4.5.5 | Mean Swelling: 1.04 % in thickness 0.11 % in width 0.05 % in length Max. Swelling: 1.15 % in thickness 0.13 % in width 0.06 % in length Water absorption: Mean: 0.32 % Max.: 0.32 % | Means swelling: ≤ 4 % in thickness ≤ 0,8 % in width ≤ 0,4 % in length Max. swelling: ≤ 5 % in thickness ≤ 1,2 % in width ≤ 0,6 % in length Water absorption: Mean ≤ 7 % Max. ≤ 9 % | Pass |

| Tensile strength | Failure model |
|-----------------------------|-------------------------------|
| Mean: 2.9 N/mm ² | Fracture within the glue line |

| Parameter | Specimen 1 | Specimen 2 | Specimen 3 |
|------------------------|------------|------------|------------|
| Mass/Weight loss, (mg) | 50.2 | 57.1 | 57.3 |
| Average value, (mg) | 54.8 | | |

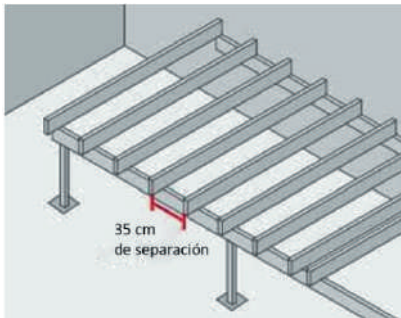
1.- *Análisis de contrapiso o firme*

La base donde será instalando el Deck debe estar siempre en perfectas condiciones. El firme debe estar:

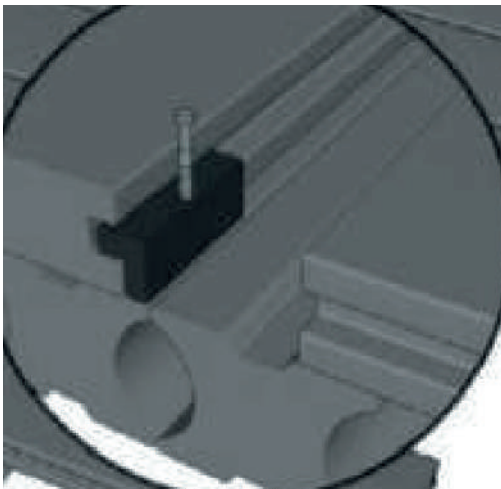
- LIMPIO
- SECO
- ESTABLE
- PULIDO
- SÓLIDO

Es necesario que el firme en donde se fijarán los bastidores tenga una pendiente para evitar encharcamientos (por lo menos 5cm)

Los bastidores se atornillan al firme (concreto) dejando un espacio de 35 cm entre cada uno.



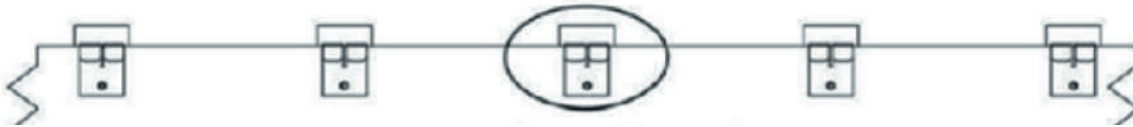
Cada tornillo se coloca con un espacio de 35 cm adjuntado las grapas correspondientes entre tornillo y bastidor



Las grapas servirán para sujetar una duela con otra.

RUBBER DECK Y DECK COEXTRUIDO

La separación de una y otra duela la marcará la grapa



2 Análisis de contrapiso o firme si utilizamos bastidores de herrería

Para poder realizar una estructura de PTR (bastidores) es necesario considerar un trabajo de herrería el cual se determinará conforme a las necesidades de cada proyecto.

Consideraciones generales

Una vez colocado el bastidor las duelas se atornillan a estos en sentido contrario con un diseño escalonado para mayor funcionalidad

Es necesario contar con ciertas herramientas para poder hacer las terminaciones adecuadas (caladora, ingleteadora, mesa de corte plano, atornillador eléctrico)

Instalación

1. Para empezar la instalación, tome como referencia un muro y coloque la primera duela completa de forma perpendicular al bastidor.
2. Para fijar la duela coloque una grapa al costado y fijela con un tornillo al bastidor. De esta manera, podrá ensamblar la duela contigua con la misma grapa.
3. Una vez colocada y sujeta la primera duela es recomendable cortar por la mitad la siguiente para que la instalación adquiriera un diseño escalonado lo que le dará mayor funcionalidad y una mejor apariencia. La separación entre duelas la marcará la grapa.
4. Repita el proceso de corte e instalación cada tres duelas y el sistema escalonado fluirá conforme el área lo requiera.
5. Para terminar la instalación, ajuste la última pieza según lo demande el área por cubrir (remate).