

# KKZ EVO C5

## COUNTERSUNK CYLINDRICAL HEAD SCREW

CE  
EN 14592

### C5 ATMOSPHERIC CORROSIVITY

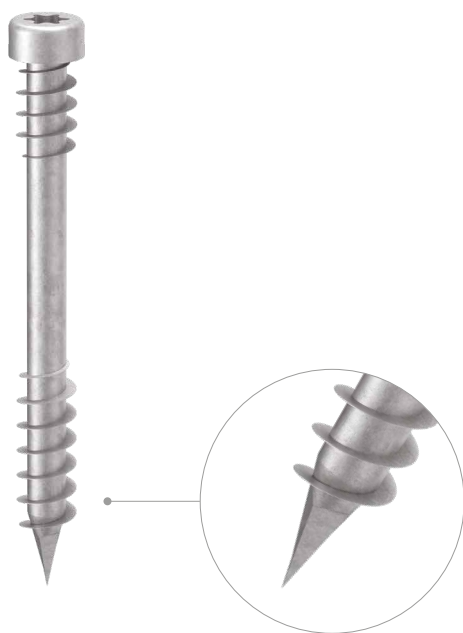
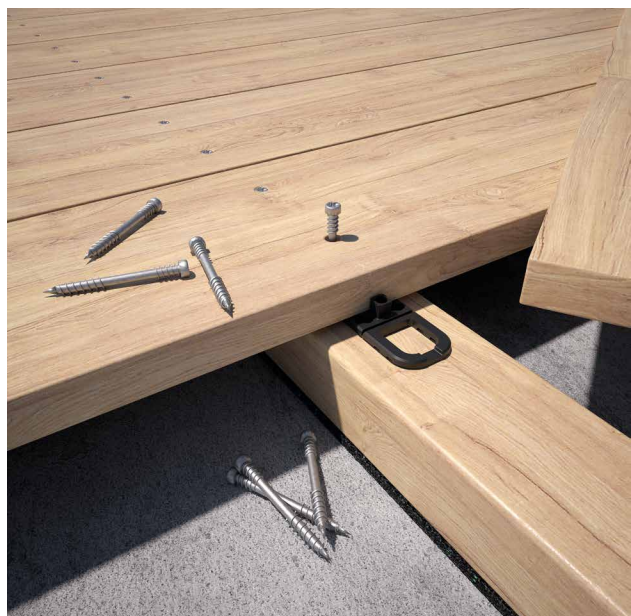
Multi-layer coating capable of withstanding outdoor environments classified C5 according to ISO 9223. Salt Spray Test (SST) with exposure time greater than 3000 h carried out on screws previously screwed and unscrewed in Douglas fir timber.

### DOUBLE THREAD

The larger diameter right-hand under-head thread ensures an effective grip, guaranteeing good coupling of the wooden elements. Concealed head.

### HARD WOODS

Special tip with sword-shaped geometry specially designed to efficiently drill very high density woods without pre-drill density up to  $1000 \text{ kg/m}^3$  |  $G = 1.20$ .



#### DIAMETER [in]

0.14 ☐ 0.20 ☒ 0.32

#### LENGTH [in]

13/16 ☐ 115/16 ☒ 2 3/4 ☐ 12 5/8

#### EXPOSURE CONDITION

☒ EC1 ☒ EC2 ☒ EC3

#### ATMOSPHERIC CORROSIVITY

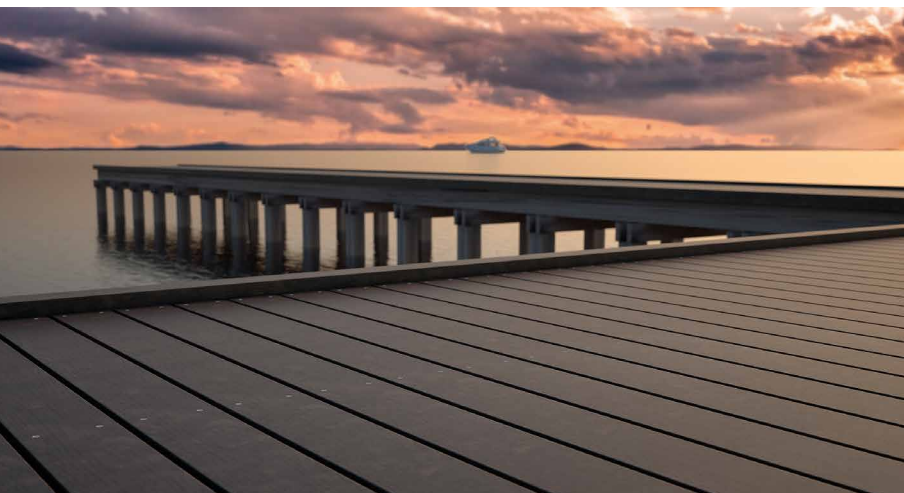
☐ C1 ☐ C2 ☐ C3 ☐ C4 ☒ C5

#### WOOD CORROSIVITY

☐ T1 ☐ T2 ☐ T3 ☐ T4

#### MATERIAL

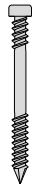
**C5 EVO COATING** carbon steel with C5 EVO coating with very high corrosion resistance



### FIELDS OF USE

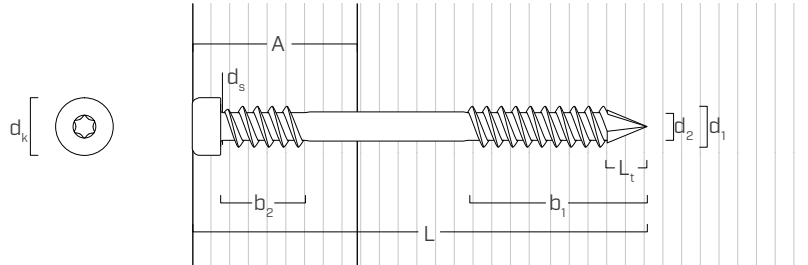
Use in aggressive outdoor environments. Wooden boards with density of  $< 780 \text{ kg/m}^3$  [ $G = 0.90$ ] (without pre-drill) and  $< 1240 \text{ kg/m}^3$  [ $G = 1.55$ ] (with pre-drill). WPC boards (with pre-drill).

## CODES AND DIMENSIONS



| d <sub>1</sub>                  | CODE        | L               |                 | b <sub>1</sub>  |                 | b <sub>2</sub>  |                 | A               | pcs |
|---------------------------------|-------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----|
| <div>[mm]</div> <div>[in]</div> |             | <div>[mm]</div> | <div>[in]</div> | <div>[mm]</div> | <div>[in]</div> | <div>[mm]</div> | <div>[in]</div> | <div>[in]</div> |     |
| 5                               | KKZEVO550C5 | 50              | 1 15/16         | 22              | 7/8             | 11              | 7/16            | 1 1/8           | 200 |
| 0.20                            | KKZEVO560C5 | 60              | 2 3/8           | 27              | 1 1/16          | 11              | 7/16            | 1 5/16          | 200 |
| #11                             |             |                 |                 |                 |                 |                 |                 |                 |     |
| TX 20                           | KKZEVO570C5 | 70              | 2 3/4           | 32              | 1 1/4           | 11              | 7/16            | 1 1/2           | 100 |

## GEOMETRY



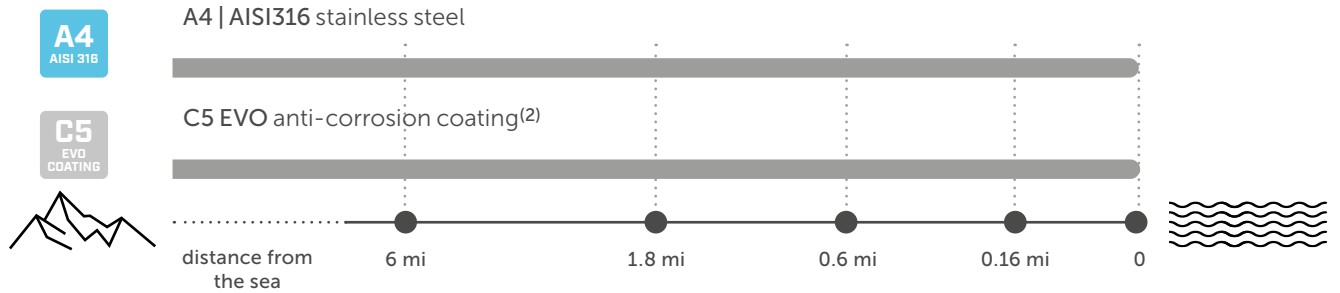
|                                           |                |                     |       |
|-------------------------------------------|----------------|---------------------|-------|
| Nominal diameter                          | d <sub>1</sub> | [in] <sup>(1)</sup> | 0.20  |
| Outer thread diameter                     | d <sub>1</sub> | [mm]                | 5     |
|                                           |                | [in]                | 0.197 |
| Head diameter                             | d <sub>k</sub> | [in]                | 0.268 |
| Root diameter                             | d <sub>2</sub> | [in]                | 0.118 |
| Shank diameter                            | d <sub>3</sub> | [in]                | 0.171 |
| Tip Length                                | L <sub>t</sub> | [in]                | 0.197 |
| Pre-drilling hole diameter <sup>(2)</sup> | d <sub>v</sub> | [in]                | 9/64  |

<sup>(1)</sup>The nominal diameter of the screw is converted into imperial units and rounded up to the nearest decimal point.

<sup>(2)</sup>For high density materials, pre-drilled holes are recommended based on the wood species.

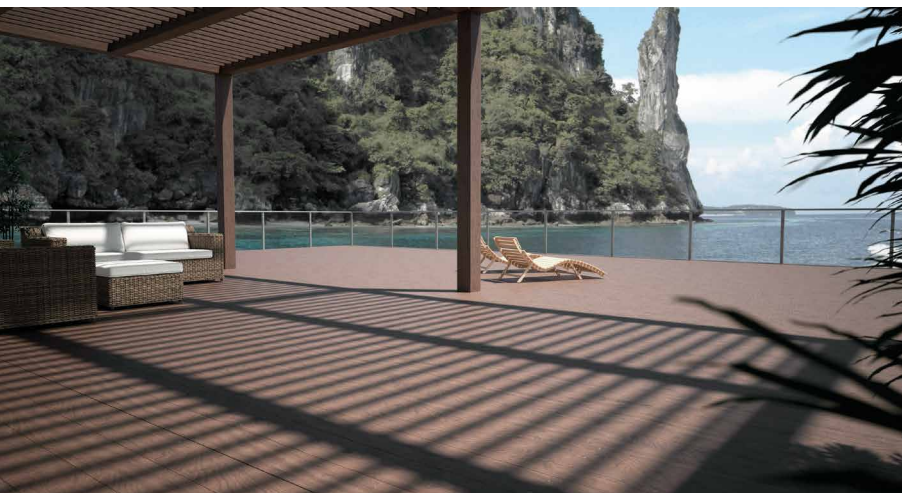
## DISTANCE FROM THE SEA

### RESISTANCE TO CHLORIDE EXPOSURE<sup>(1)</sup>



<sup>(1)</sup>C5 is defined according to EN 14592:2022 based on EN ISO 9223.

<sup>(2)</sup>EN 14592:2022 currently limits the service life of alternative coatings to 15 years.



## MAXIMUM STRENGTH

It ensures high mechanical performance even in the presence of very adverse environmental and wood corrosive conditions.