

## Transmission & Distribution Industry

Amorim Cork Composites has been manufacturing materials and gaskets for the transformer industry over the last four decades. Amorin T&D is the brand for products specially designed and tested for the power transmission and distribution market, providing engineered solutions in Sealing, Noise and Vibration Control for this industry.

T&D products are performance-driven and recognized worldwide, with a long history in transformers, reactors, bushings and other T&D components

## Main advantages

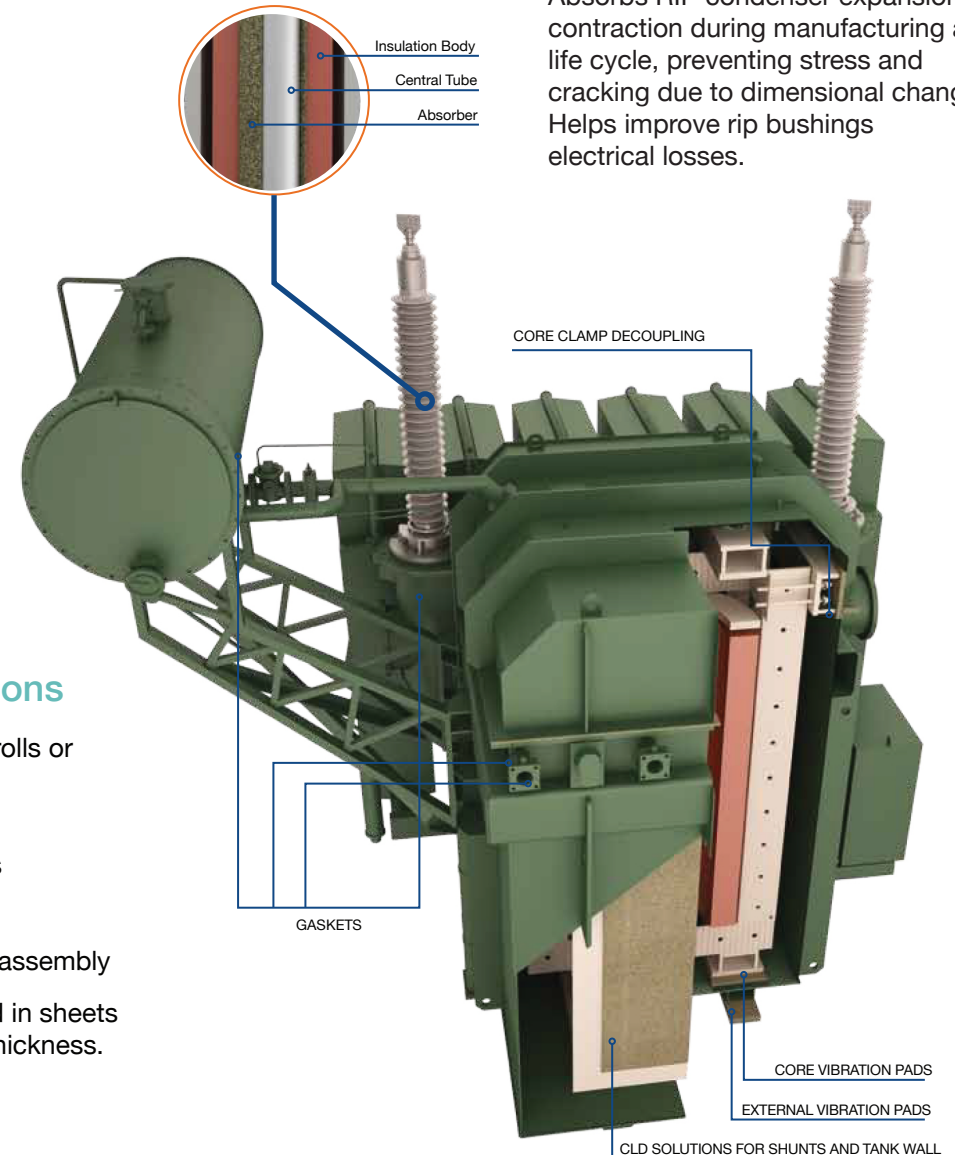
### Sealing

- Proven long term performance in the field
- Products with wide load range and suitable for extreme operation temperatures
- Tolerance to extreme surface finish conditions and high out-of-flatness flanges
- Experience in designing gaskets for multiple industries and applications.

### Vibration Noise Control

- Proven noise and vibration solutions working in major OEM's worldwide with:
  - Oil filled transformers/reactors and dry transformers
  - Long term performance in the field
  - Application engineering support
  - Multi-applications/Industry design experience
- Solutions include:
  - Internal vibration pads
  - External vibration pads
  - Core fixing clamp decoupling
  - Compressed layer damper (CLD) solutions.

## Applications



## Bushing Absorber


Absorbs RIP condenser expansion contraction during manufacturing and life cycle, preventing stress and cracking due to dimensional change. Helps improve rip bushings electrical losses.


## Flexible & Effective Solutions

- Cork Sealing materials supplied in rolls or sheets, with thickness ranging from 1,0mm up to 12,0mm
- Roll widths, from 1000mm upwards
- Reel widths, from 40mm upwards
- Adhesive backing optional, for fast assembly
- Vibration Control materials supplied in sheets or pads according to the required thickness.

## Product Range

Amorim T&D products are designed to withstand the application needs, while providing our clients with cost effective manufacturing options.

	TD1049	TD1120	TD1150	TD1310	TD3510	TD7000	
 SEALING	KEY REQUIREMENTS						
	Low temperature resistance (°C)	-30	-40	-30	-50	-60	-60
	High temperature resistance (°C)	125	125	125	110	130	175
	Mineral Oil	√	√	√	√		◆
	Silicone Oil	√	√	√	√		
	Ester Oil	√	√	√	√		◆
	SF6 Gas	◆	◆	◆	◆	√	
	typical values						
◆ Acceptable			√ Suitable				

	VC2100	VC5200	VC6400	VC7000	
 NOISE & VIBRATION CONTROL	KEY REQUIREMENTS				
	Maximum Load (MPa)	2,0	0,6	2,0	8,0
	Maximum Load (psi)	290	87	290	1160
	Work Load Range (MPa)	0,5 – 1,5	0,2 – 0,5	0,5 – 1,5	2,0 – 6,0
	Work Load Range (psi)	72 - 217	29 - 72	72 - 217	290 - 870
	Temperature Range (°C)	-40 to 125	-40 to 110	-50 to 110	-60 to 175
	Temperature Range (°F)	-40 to 257	-40 to 230	-58 to 230	-76 to 347
	Application	Internal vibration control (Oil contact)	External vibration control	External vibration control	External vibration control (Dry transformers)
typical values					

### Warranty exclusion

In view of the variety of different installation and operation conditions as well as application and process engineering options, the information given in this datasheet can only provide approximate guidance and cannot be used as basis for warranty claims.