

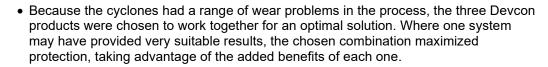
Devcon® Protective Coatings Take the Hits for Cyclones

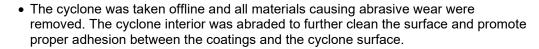
Problem:

Using recycled wood to create the feet of wooden pallets, the OEM customer processes wood chips and dust through large steel cyclones. The impact and sliding abrasion from the raw materials against the unprotected cyclones caused extreme internal wear after just 3 months in service. With unexpected high replacement costs as one potential solution, the customer searched for a protective coating that could be layered onto the cyclone interior walls as an alternative.

Solution:

The OEM chose Devcon DFense Blok[®], Devcon Wear Guard[™] 300RTC, and Devcon Wear Guard Fine Load industrial strength epoxy coating having used these products before to repair & protect metal equipment.





- Different steps in the process required different wear resistance protection: Devcon
 DFense Blok coated the areas with the highest impact, allowing for better abrasion
 resistance. Devcon Wear Guard Fine Load coated the areas where aggregate smaller
 than 1/8" make contact. Devcon Wear Guard 300RTC coated high wear, wet/dry
 areas prone to high temperatures. The wide offering of Devcon products provided the
 right tailored solution for each process step.
- With the convenient packaged kits and the coatings efficient functional cure times, the cyclone was back in service within 3 days.

Project Outcome:

Lasting Protection

By using Devcon industrial strength epoxy coatings and wear protection products, the OEM avoided replacement cost and extended downtime of the cyclones. The Devcon DFense Blok, Devcon Wear Guard Fine Load, and Devcon Wear Guard 300RTC epoxy coatings will act as sacrificial layers and protect the wood processing equipment with controlled wear rates. Because the application process was so easy, reapplication once needed, will be scheduled.



Cyclones



Devcon Wear Guard 300RTC



Devcon Wear Guard Fine Load



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