



**PROTECT 12 A:**  
**The barrier coating**



**THE  
BARRIER  
COATING**



**CROMOGENIALNITS**

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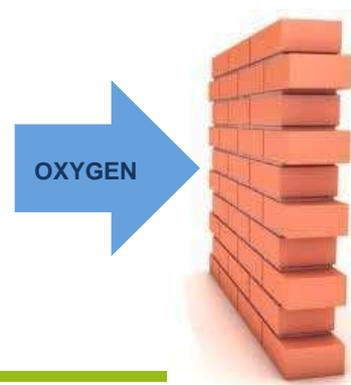
# PROTECT THE BARRIER

## PROTECT 12 A : THE BARRIER COATING

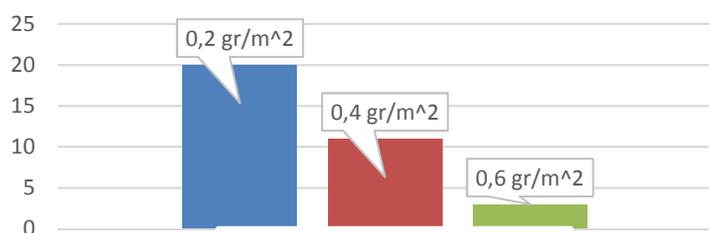
With the growth of technology development and improving people's life, higher quality foods are further required. For the situation, barrier materials are widely used for prolonging food shelf-life. Usual barrier materials include OPA, PET, PE-EVOH-PE, metalized film, ALU, film with SiOx-AIOx etc.

Cromogenia Units developed the alternative to create the barrier even with common material as PP and PE.

Oxygen Transmission Rate (OTR) is measured in cc/m<sup>2</sup>/day accordingly ASTM F1927-14:

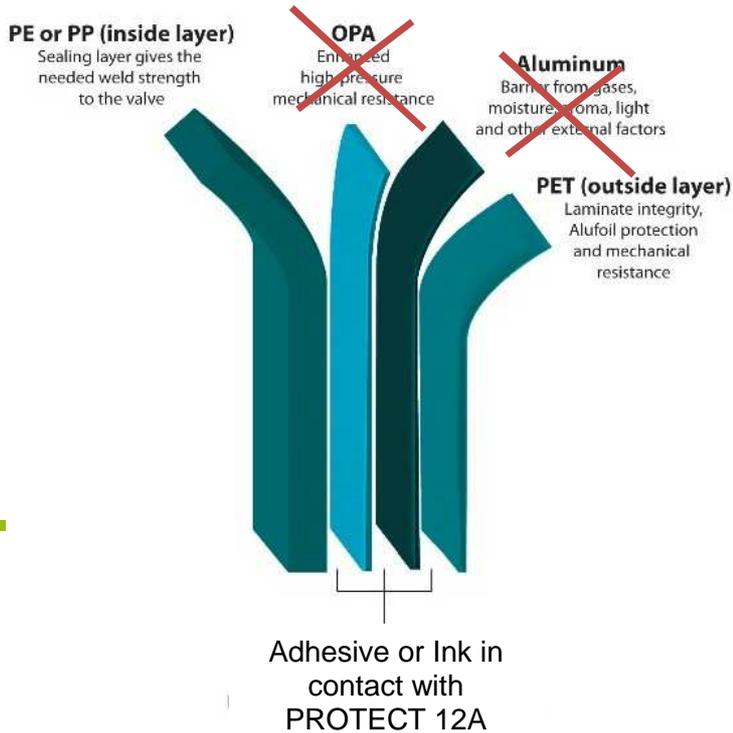


OTR (cc\*m<sup>2</sup>/day) ASTM D3985 or F1927-14  
VS  
gr/m<sup>2</sup> dry coating



Depends of film thickness, RH and temperature but as comparative level the next figures can be accepted at 23°C and 50% h.r. Generally speaking OTR below 90-100 can be consider barrier and below 20 as high oxygen barrier. The above case is a Pet12/PE50

# PROTECT 12A RECOATING



- **Operator friendly** ready to use product no dilution, no long mixing, **just work it!**
- **Mainly Water based** for a safe work environment
- **Economic** VS the common barrier films





C/ 40, N° 14-16 08040 BARCELONA SPAIN  
Tel. +34 93 432 94 00 / +34 93 447 98 00  
Fax +34 93 422 60 14 / +34 93 447 98 24  
cromogenia@cromogenia.com  
www.cromogenia.com