

Committed to Sustainability.
At DyStar, our products and services help customers worldwide reduce costs, shorten lead times and meet stringent quality and ecological specifications.



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Cadira® Polyester/Cellulosic Exhaust

Get a Move On



Cadira[®] Concept

What is Cadira Polyester/Cellulosic Exhaust?

An environmentally friendly exhaust processing of polyester/cellulosic blends with:

- Dianix[®] disperse dyes for dyeing of the polyester portion
- Levafix[®] and Remazol[®] reactive dyes for dyeing of the cellulosic portion
- Indanthren[®] vat dyes for dyeing of the cellulosic portion
- Sirius[®] direct dyes for dyeing of the cellulosic portion
- Sera[®] process auxiliaries in dyeing and aftertreatment

A Combination of:

- Cadira Polyester and Cadira Reactive
- Cadira Polyester and Cadira Vat
- Cadira Polyester and Sirius dyeing process

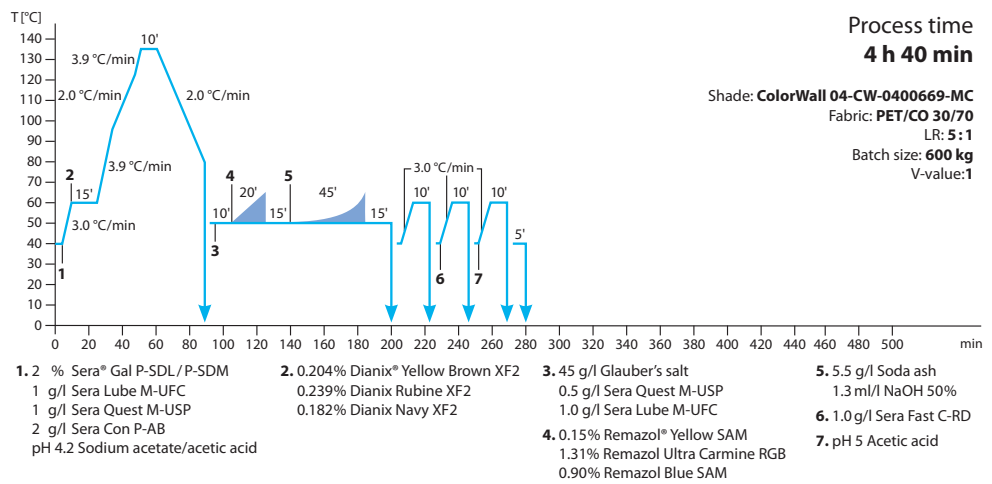
Why Cadira Polyester/Cellulosic Exhaust?

Combination of the different Cadira modules results in:

- ✓ **Reduced energy consumption**
- ✓ **Reduced water consumption**
- ✓ **Reduced chemical/auxiliary consumption**
- ✓ **Reduced effluent load**
- ✓ **Shorter process time and improved productivity**
- ✓ **Reduced greenhouse gas emission**

Benefits of Cadira[®] Polyester/Cellulosic Exhaust vs. Standard Process

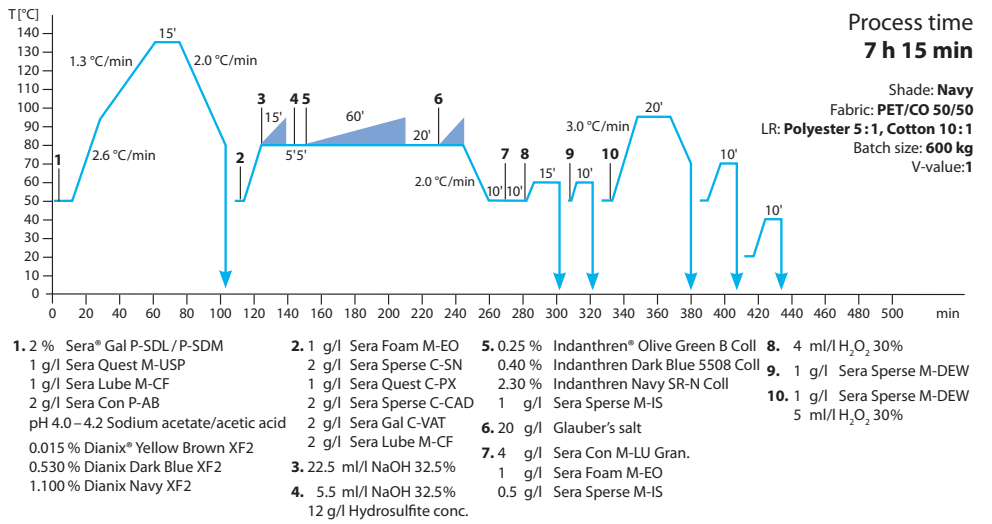
Combining Cadira Polyester and Cadira Reactive for medium shades



Water and energy savings
with Dianix[®] & Levafix[®]/Remazol[®] dyes and Sera[®] process auxiliaries

- Benefits in processing**
- ↓ 47% less electricity
 - ↓ 54% less steam
 - ↓ 49% less water
 - ↓ 52% less process time
- Benefits in productivity**
- ↑ 72% productivity increase
 - ↑ Higher RFT performance achieved with Optidyne[®] PES

Combining Cadira Polyester and Cadira Vat for dyeing on jet

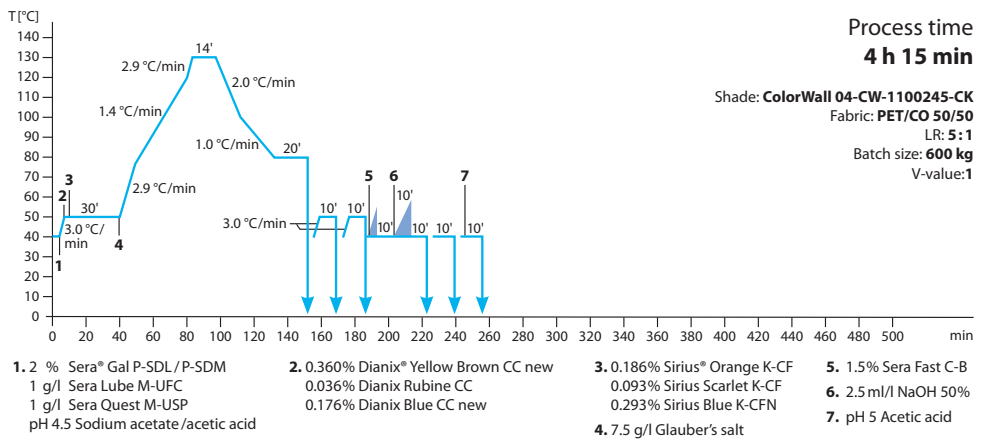


Water and energy savings
with Dianix[®] & Indanthren[®] dyes and Sera[®] process auxiliaries

- Benefits in processing**
- ↓ 17% less electricity
 - ↓ 31% less steam
 - ↓ 32% less water
 - ↓ 29% less process time
- Benefits in productivity**
- ↑ 36% productivity increase
 - ↑ Higher RFT performance achieved with Optidyne[®] PES

Combining Cadira Polyester and Sirius[®] dyes

The most economical & ecological process for dyeing polyester/cellulosic blends in pale to medium shades



Water and energy savings
with Dianix[®] & Sirius[®] dyes and Sera[®] process auxiliaries

- Benefits in processing**
- ↓ 29% less electricity
 - ↓ 30% less steam
 - ↓ 29% less water
 - ↓ 30% less process time
- Benefits in productivity**
- ↑ 16% productivity increase
 - ↑ Higher RFT performance achieved with Optidyne[®] PES