



**COATING**

# **ACRAFIX<sup>®</sup> PCI**

A milestone in modern crosslinking

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**TANATEX<sup>®</sup>**  
CHEMICALS 

# ACRAFIX<sup>®</sup> PCI

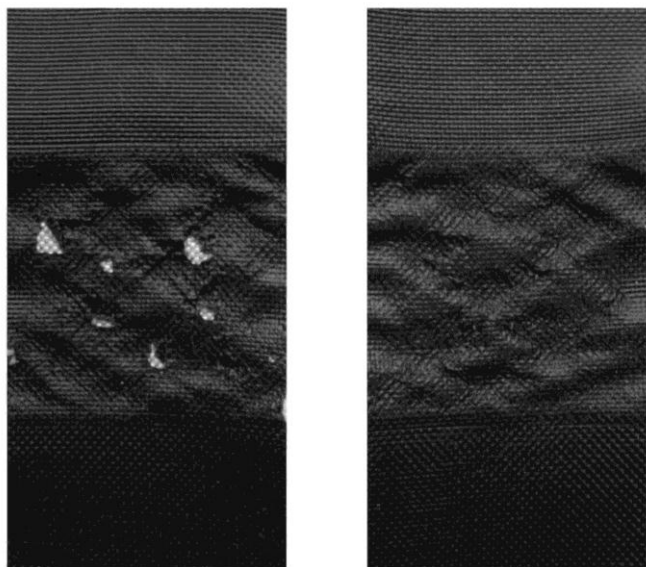
## Just another crosslinker?

TANATEX Chemicals has a name to defend when it comes to Isocyanate based crosslinkers. Products like ACRAFIX<sup>®</sup> FF and EDOLAN<sup>®</sup> XCIB are renowned and valued in the textile industry as high performance crosslinkers.

Now TANATEX Chemicals developed a new generation product **ACRAFIX<sup>®</sup> PCI**.

## Characteristics

- ✘ PCI stands for **P**yrazol blocked **C**rosslinker **I**socyanate based.
- ✘ Is an anionic crosslinker for binders of the EDOLAN<sup>®</sup> range and compounds of the TANA<sup>®</sup>COAT range.
- ✘ Is based on aliphatic isocyanate.
- ✘ High number of NCO groups.



## Image: Scrub test on a PES tent-fabric

Left: with a coating based on polyurethane.  
Right: the same coating including ACRAFIX<sup>®</sup> PCI.  
Clearly visible is the strongly improved adhesion.

## USP's

- ✘ Free of catalysts and co-solvents.
  - » *Most other products contain either co-solvents and/or are oxime-blocked.*
- ✘ Substantial improvement of properties, due to highly branched 3D network building during drying/curing.
  - » *Filmforming properties,*
  - » *Adhesion to synthetic fibres.*
  - » *Mechanical- and chemical resistance.*
  - » *Hydrolyses resistance.*
  - » *UV resistance.*
- ✘ Needs lower temperature for de-blocking.
  - » *Target 130°C, which is 20°C lower than other blocked systems.*
- ✘ Excellent potlife and storage stability when formulated in coatings.
  - » *When compared to unblocked- or other blocked crosslinkers.*

**Looking for long potlife of pastes?**

**ACRAFIX<sup>®</sup> PCI is the crosslinker for you!**